

DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [1] Date: September 1, 2020

**RE: CITY OF SPARTA
SPARTA POLICE STATION LAKEVIEW
711 PINE STREET
SPARTA, WISCONSIN 54656
HSR PROJECT NO. 19042**

**FROM: HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830**

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated August 2020. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [4] pages, [3] specification sections, and [17] 30 x 42 drawings.

CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:

1. Pre-bid attendance attached hereto.

GENERAL REQUIREMENTS:

2. Note to all contractors and subcontractors regarding existing condition of Sheffield Tile – as noted on drawing sheet(s) A090, A091, A092 and General Structural Notes on S001 applies to all contractors and subcontractors:

NOTE REGARDING SHEFFIELD TILE:

LAKEVIEW ELEMENTARY WAS CONSTRUCTED OF A SHEFFIELD TILE FLOOR AND ROOF SYSTEM. THIS SYSTEM WAS NEW AND EXPERIMENTAL AT THE TIME WITH SEVERAL SYSTEMS IN USE AT THE TIME. IT HAS PROVEN TO BE TROUBLESOME AS IT FAILS WITHOUT WARNING DUE TO DESIGN AND CONSTRUCTION ISSUES AND THE BRITTLINESS OF THE TILES. IT IS SENSITIVE TO OVER LOADING AND CORING. THE SYSTEM HAS NO REAL WAY TO SHARE LOADS AROUND OPENINGS LIKE TODAY'S PRECAST PLANK HEADER SYSTEM, SO CHASES AND LARGER OPENINGS OFTEN REQUIRE LARGER STRUCTURAL FRAMED OPENINGS. THE FLOOR AND ROOF AT LAKEVIEW HAVE BEEN SURVEYED IN THE PAST AND NOTED DEFLECTION HAS OCCURRED IN SEVERAL ROOMS. THIS DEFLECTION HAS ENGAGED NORMALLY NON-STRUCTURAL WALL INTO A BEARING CONDITION.

THE DESIGN TEAM HAS ATTENDED TO MOST OPENINGS ANTICIPATED FOR FINAL CONSTRUCTION OF THE RENOVATION. IT IS RECOMMENDED THAT THE FLOORS ARE NOT USED FOR STORAGE OF MATERIALS. MEANS AND METHODS APPROACHES TO CORING, LOADING AND TEMPORARY CONSTRUCTION SHOULD BE REVIEWED BY

THE CONTRACTOR AND THEIR TEAM TO ASSURE THE SAFETY OF PERSONNEL AND THE STABILITY OF THE STRUCTURE.

CHANGES TO SPECIFICATIONS:

3. Section 07 21 19 FOAMED-IN-PLACE INSULATION
 - a. Revised section attached hereto as part of Contract Documents. Open cell product added and product selections for closed cell updated. Products shall be single sourced.
4. Section 08 11 13 HOLLOW METAL DOORS AND FRAMES
 - a. 2.06, A: Delete "factory installed" at the end of the sentence.
5. Section 08 71 00 DOOR HARDWARE
 - a. 2.09, B, 3: Change "RHO" to "SPA".
 - b. 3.05,
 - i. Group 6: Add "BF" in front of product number for the Pull.
 - ii. Group 20 and 21: Change "Storeroom Lock" to "Lock w/ Dummy Cover"
6. Section 11 40 01 CUSTOM FABRICATED STAINLESS STEEL COUNTERTOP
 - a. Added section attached hereto as part of Contract Documents.
7. Section 23 09 93 SEQUENCE OF OPERATIONS
 - a. 3.30, Add the following:
 - b. 3.30 DEHUMIDIFICATION CONTROL (EDH-1)
 - i. Provide a space humidity sensor to control the electric duct heaters provided under Section 23 82 16 Duct Coils.
 - ii. Humidity control shall be set to maintain a 40% relative humidity (adjustable) in the return air when the unit is in mechanical cooling mode. Maximum return air humidity shall be 60%.
 1. Dehumidification shall not be operational if the fan is off (sensed by the airflow switch) or the system is in heating mode.
 - iii. Space humidity and high limit shall be monitored by the BAS.
 - iv. If heating water is available modulate heating water valve to maintain humidity set point. If heating water is not available stage the electric duct coil.
8. Section 23 82 16 DUCT COILS
 - a. Added section attached hereto as part of Contract Documents.

CHANGES TO DRAWINGS

9. Sheet A091 FIRST FLOOR REMOVAL PLAN 30 x 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Modified keynotes 13 & 37.
 - c. Added keynotes 38 & 39.
 - d. Slab saw cut for underfloor electrical.
10. Sheet A100 BASEMENT REMODEL PLAN 30 x 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added keynote 37.
 - c. Added site photo 2A100 & 3A100
 - d. Enclosed tunnel access.

11. Sheet A101 FIRST FLOOR REMODEL PLAN AREA A 30 x 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added keynote 36.
 - c. Patch concrete slab at underfloor electrical work.
12. Sheet A112 SECOND FLOOR RCP AREA A 30 x 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Unistrut / framing added above existing stairwell locations.
13. Sheet A210 INTERIOR ELEVATIONS & CASEWORK 30 x 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Counter top material clarification.
14. Sheet A503 DETAILS (No Drawing reissued)
 - a. 3A503: Delete reference to "drip cap". None required.
15. Sheet ID600 MASTER COLOR SCHEDULE 30 x 42 attached hereto
16. Sheet M101 – FIRST FLOOR DUCTWORK REMODEL 30 x 42 attached hereto
 - a. Enlarged ductwork and changed diffusers in Evidence 108, served by BC-3.
 - b. Added an electric duct coil and humidity sensor.
17. Sheet M102 – SECOND FLOOR DUCTWORK REMODEL 30 x 42 attached hereto
 - a. Enlarged supply and return ductwork serving BC-3, and minimum outside air duct serving BC-4 in Mechanical 203.
18. Sheet M103 – ROOF PLAN 30 x 42 attached hereto
 - a. Increased the size of CU-3.
19. Sheet M502 –HVAC DETAILS AND SCHEDULES 30 x 42 attached hereto
 - a. Added Electric Duct Coil Schedule.
20. Sheet M600 – HVAC SCHEDULES 30 x 42 attached hereto
 - a. Changed the size of BC-3 in the Blower Coil Unit Schedule.
 - b. Changed the size of CU-3 in the Air Cooled Condensing Unit Schedule.
21. Sheet E090 - FIRST FLOOR & BASEMENT REMOVAL PLANS 30 x 42 attached hereto
 - a. Revisions clouded on drawings.
 - b. Revisions to General Removal notes.
22. Sheet E091 - SECOND FLOOR REMOVAL PLAN 30 x 42 attached hereto
 - a. Revisions to General Removal notes.
23. Sheet E101 - FIRST FLOOR LIGHTING PLAN 30 x 42 attached hereto
 - a. Revisions clouded on drawings.
 - b. Revisions Light fixture schedule.
24. Sheet E200 - FIRST FLOOR POWER PLANS 30 x 42 attached hereto
 - a. Revisions clouded on drawings.
 - b. Revisions to Panel locations in Mech. room 115B, to clear mechanical coil piping.
 - c. Relocated exterior generator double throw safety switch.
25. Sheet E201 - SECOND FLOOR POWER 30 x 42 attached hereto
 - a. Revisions clouded on schedules.
 - b. Added Electric Duct Heater EDH-1, to equipment schedule.
26. Sheet E600 - ELECTRIC RISER DIAGRAM AND SCHEDULES 30 x 42 attached hereto
 - a. Added circuit breaker to Panel A, for EDH-1.

PRIOR APPROVALS

1. Section 08 71 00 DOOR HARDWARE: For Butt Hinges, Pulls and Roller Latches; Ives.
2. Section 09 84 30 SOUND-ABSORBING WALL AND CEILING UNITS: PanelTech Acoustics and Commercial Interior Acoustical Panels.
3. Section 10 51 15 WELDED PERSONAL STORAGE LOCKERS: Tiffin Metal Products; Infinity Locker system and Evidence Lockers.
4. Section 23 62 13 Air Cooled Condensing Units, 2.01 & 2.02: Fraser-Johnston.
5. Section 23 72 13 Small Energy Recovery Ventilators, 2.01: Aldes.
6. Section 23 73 33 Indoor Indirect Gas-Fired Heat & Vent, 2.01: AbsolutAire, RuppAir.
7. Section 23 74 13 Packaged Gas-Electric Rooftop Units, 2.01: Fraser-Johnston.
8. Section 23 83 16 Radiant Floor Systems, 2.01: Roth X-PERT S5 Tubing, HeatLink PEX-a Tubing, Manifolds and Accessories.

END OF DOCUMENT 00 90 00

SECTION 07 21 19 Revised
FOAMED-IN-PLACE INSULATION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Foamed-in-place insulation. Single source both open and closed cell products.
 - 1. In cavity walls.
 - 2. At junctions of dissimilar wall and roof materials.
 - 3. At exterior walls of existing building behind gypsum board at furring.

1.02 RELATED REQUIREMENTS

- A. Section 04 20 00 - Unit Masonry: Flashings related to masonry installation.
- B. Section 04 20 00 - Unit Masonry: Mock-up instructions.
- C. Sections 07 21 00 Thermal Insulation.

1.03 REFERENCE STANDARDS

- A. ASTM C518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus; 2015.
- B. ASTM D2842 - Standard Test Method for Water Absorption of Rigid Cellular Plastics; 2012.
- C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2016.
- D. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2016.
- E. ASTM E2178 - Standard Test Method for Air Permeance of Building Materials; 2013.
- F. ASTM E2357 - Standard Test Method for Determining Air Leakage of Air barrier Assemblies.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide product description, insulation properties, overcoat properties, and preparation requirements. Documentation that applied product is compatible with all substrates installed on the project.
- C. Certificates: Certify that products of this section meet or exceed specified requirements.
- D. Manufacturer's Installation Instructions: Indicate special procedures, and perimeter conditions requiring special attention.
- E. Manufacturer Qualification: Submit documentation of current evaluation of proposed manufacturer and materials.
- F. Installer Qualification: Submit documentation of current contractor accreditation and current installer certification. Keep copies of all contractor accreditation and installer certification on site during and after installation. Present on-site documentation upon request.
- G. Daily work record reports.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products of the type specified in this section, with not less than three years of documented experience.
 - 1. Obtain primary ABAA Evaluated Materials from a single ABAA Evaluated Manufacturer regularly engaged in manufacturing specified closed cell, medium density spray polyurethane foam. Obtain secondary materials from a source acceptable to the primary materials manufacturer.
- B. Air Barrier Subcontractor Qualifications: Air barrier Subcontractor(s) shall be accredited at the time of bidding and during the complete installation period by the Air Barrier Association of America (ABAA) whose Installer(s) are certified in accordance with the site Quality Assurance Program used by ABAA.
 - 1. Closed cell, medium density sprayed polyurethane foam air barrier Installer(s) shall be certified by BPQI (Building Performance Quality Institute) for the ABAA Quality Assurance Program in accordance with the requirements outlined in the QAP program used by ABAA. Installers shall have their photo-identification air barrier certification cards in their possession and available on the project site, for inspection upon request.

1.06 PRECONSTRUCTION MEETING

- A. Preconstruction Meeting: Convene a minimum of two weeks prior to commencing Work of this Section. Agenda shall include, at a minimum, construction and testing of mock-up, sequence of construction, coordination with substrate preparation, air barrier materials approved for use, compatibility of materials, coordination with installation of adjacent and covering materials including weatherproofing of top of wall at the end of each day of insulation application, use of scaffolding, lifts and staging and details of construction and chemical/fire safety plans. Attendance is required by representatives of related trades including covering materials, substrate materials and adjacent materials.

1.07 REGULATORY REQUIREMENTS

- A. Conform to applicable code for flame and smoke limitations.

1.08 MOCK-UP

- A. Refer to Section 04 20 00 for mock-up instructions.
 - 1. Mock-up shall be representative of primary air barrier assemblies including backup wall and typical penetrations as acceptable to the Architect. Mock-up area indicated is 2 feet wide by 4 feet high. Include the air barrier materials and air barrier accessories proposed for use in the exterior wall assembly.

1.09 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to Project site in original packages with seals unbroken, labeled with the material manufacturer's name, product, date of manufacture, and directions for storage.
- B. Store materials in their original undamaged packages in a clean, dry, protected location and within temperature range required by material manufacturer. Protect stored materials from direct sunlight and other sources of ultra-violet light.
- C. Handle materials in accordance with material manufacturer's recommendations.

1.10 FIELD CONDITIONS

- A. Sequence work to ensure timely placement of insulation within construction spaces.
- B. Do not apply foam when the temperature is below that specified by the manufacturer for ambient air and substrate or when temperature is within 5 degrees F of dew point.
- C. Sequencing. Do not install air barrier material before the roof assembly has been sufficiently installed to prevent a buildup of water in the interior of the building.

1.11 WARRANTY

- A. Material Warranty: Provide primary material manufacturer's standard product warranty, from date of Substantial Completion.
- B. Subcontractor (approved by ABAA and Manufacturer) Installation Warranty: Provide a two (2) year installation warranty from date of Substantial Completion, including all accessories and materials of the air barrier assembly, against failures including loss of air tight seal, loss of watertight seal, loss of attachment, loss of cohesion/adhesion and failure to cure properly.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Foamed-In-Place Insulation: Low-density, flexible, open cell water vapor permeable polyurethane foam; foamed on-site, using blowing agent of water or non-ozone-depleting gas.
 - 1. Regulatory Requirements: Comply with applicable code for flame and smoke, concealment, and overcoat limitations.
 - 2. Thermal Resistance: R-value of 3.0, minimum, per 1 inch thickness at 75 degrees F mean temperature when tested in accordance with ASTM C518.
 - 3. Air Permeance: 0.04 cfm per square foot, maximum, when tested at intended thickness in accordance with ASTM E2178 at 1.57 psf.
 - 4. Surface Burning Characteristics: Flame spread/Smoke developed index of 25/450, maximum, when tested in accordance with ASTM E84.

5. Manufacturers:
 - a. BASF Corporation; ENERTITE NM: www.spf.basf.com/#sle.
 - b. Carlisle Spray Foam Insulation; SealTite Pro High Yield: www.carlislesfi.com/#sle.
 - c. Demelic (USA) Inc.: Sealection 500 or Sealection NM. www.demelic.com
 - d. Gaco Western; Gaco 052N: www.gaco.com/#sle.
 - e. Henry Company; Permax 0.5: www.henry.com/#sle.
 - f. Icynene-Lapolla; Icynene Classic Plus: www.icynene.com/#sle.
 - g. Johns Manville; JM ocSPF Open Cell Spray Polyurethane Foam: www.jm.com/#sle.
 - h. Lapolla Industries, Inc; Foam-Lok 500. www.lapolla.com
 - i. NCFI Polyurethanes; InsulStar Light. www.ncfi.com
 - j. Rhino Linings Corporation; ThermalGuard OC.5: www.rhino linings.com/#sle.
 - k. SWD Urethane: Quik-Shield 108YM. www.swdyrethane.com
 - l. Substitutions: See Section 01 60 00 - Product Requirements.

- B. Foamed-In-Place Insulation: Medium-density, closed cell polyurethane foam; foamed on-site, using blowing agent of water or non-ozone-depleting gas.
 1. Aged Thermal Resistance: R-value of 6.5 (deg F hr sq ft)/Btu, minimum, when tested at 1 inch thickness in accordance with ASTM C518 after aging for 180 days at 41 degrees F.
 2. Water Vapor Permeance: Vapor retarder; 2 perms, maximum, when tested at intended thickness in accordance with ASTM E96/E96M, desiccant method.
 3. Water Absorption: Less than 2 percent by volume, maximum, when tested in accordance with ASTM D2842.
 4. Air Permeance: 0.04 cfm per square foot, maximum, when tested at intended thickness in accordance with ASTM E2178 at 1.57 psf.
 5. Assembly Performance: Provide a continuous air barrier in the form of an assembly that has an air leakage not to exceed 0.04 cubic feet per minute per square foot under a pressure differential of 1.57 pounds per square foot (0.04 cfm/ft² @ 1.57 psf) [0.2 liters per square meter per second under a pressure differential of 75 Pa (0.2 L/(s·m²) @ 75 Pa)] when tested in accordance with ASTM E2357. The assembly shall accommodate movements of building materials by providing expansion and control joints as required. Expansion / control joints, changes in substrate and perimeter conditions shall have appropriate accessory materials at such locations.
 - a. The air barrier assembly shall be capable of withstanding combined design wind, fan and stack pressures, both positive and negative on the envelope without damage or displacement, and shall transfer the load to the structure.
 - b. Closed cell, medium density spray polyurethane foam air barriers shall not displace adjacent materials in the assembly under full load.
 - c. The air barrier assembly shall be joined in an airtight and flexible manner to the air barrier materials of adjacent assemblies, allowing for the relative movement of assemblies due to thermal and moisture variations, creep, and anticipated seismic movement.
 6. Closed Cell Content: At least 90 percent.
 7. Surface Burning Characteristics: Flame spread/Smoke developed index of 25/450, maximum, when tested in accordance with ASTM E84.
 8. Connections to Adjacent Materials: Provide connections to prevent air leakage at the following locations:
 - a. Foundation and walls, including penetrations, ties and anchors.
 - b. Walls, windows, curtain walls, storefronts, louvers and doors.
 - c. Different assemblies and fixed openings within those assemblies.
 - d. Wall and roof connections.
 - e. Floors over unconditioned space.
 - f. Walls, floor and roof across construction, control and expansion joints.
 - g. Walls, floors and roof to utility, pipe and duct penetrations.
 - h. All other potential air leakage pathways in the building envelope.

9. Manufacturers:
 - a. BASF Corporation; WALLTITE US: www.spf.basf.com/#sle.
 - b. Carlisle Spray Foam Insulation; SealTite Pro One Zero: www.carlisesfi.com/#sle.
 - c. Demilic (USA) Inc.: Demilic XT-w. www.demilic.com
 - d. Gaco Western; GacoOnePass F1850R: www.gaco.com/#sle.
 - e. Henry Company; Permax 0.5: www.henry.com/#sle.
 - f. Icynene-Lapolla; Icynene ProSeal: www.icynene.com/#sle.
 - g. Johns Manville; JM Corbond III Closed Cell Spray Polyurethane Foam: www.jm.com/#sle.
 - h. Lapolla Industries, Inc; Foam-Lok 2000-4G. www.lapolla.com
 - i. NCFI Polyurethanes; ThermalStop or InsulStar. www.ncfi.com
 - j. Rhino Linings Corporation; ThermalGuard CC2: www.rhino linings.com/#sle.
 - k. SWD Urethane: Quik-hield 118. www.swdyrethane.com
 - l. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 ACCESSORIES

- A. Primers, Mastics and Sealants for Transition Membranes and Counter-flashing for Through-Wall Flashing: A material deemed acceptable to the manufacturer of that material.
- B. Membrane at Transitions in Substrate and Connections to Adjacent Elements: Including, but not limited to one of the following as acceptable to the Spray Polyurethane Foam Air Barrier Manufacturer:
 1. HENRY Blueskin SA - Self Adhesive Air/Vapor Barrier Membrane
 2. HENRY Blueskin SA LT - Low Temp SA Air/Vapor Barrier Membrane
 3. Perm-A-Barrier Flashing by Grace Construction Products.
 4. CCW-705 TWF by Carlisle Coatings and Waterproofing
 5. Poly Wall Self Adhering Flashing by Polyguard Products, Inc.
 6. ExoAir 110 by Tremco, Inc.
 7. Air Shield by W R Meadows, Inc.
- C. Transition Membrane between Air Barrier Membrane and Roofing and Other Adjacent Materials: Comply with both air barrier manufacturer's recommendations and material manufacturer's recommendations.
- D. Substrate Joint Treatment Materials: Prepare the substrate joints with the following materials:
 1. Air Shield by W. R. Meadows, Inc.
 2. Blueskin SA by Henry.
 3. CCW-705 TWF by Carlisle Coatings and Waterproofing.
 4. ExoAir 110 by Tremco, Inc.
 5. Perm-A-Barrier Flashing by Grace Construction Products.
 6. Poly Wall Self Adhering Flashing by Polyguard Products, Inc.

PART 3 EXECUTION

3.01 EXAMINATION

- A. The ABAA Certified Air Barrier Contractor shall examine substrates, areas, and conditions under which the air barrier assembly will be installed, with Construction Manager, ABAA Certified Installer present, for compliance with the following requirements.
 1. Confirm site access logistics and scheduling requirements.
- B. Verify work within construction spaces or crevices is complete prior to insulation application.
- C. Verify that surfaces are clean, dry, and free of excess mortar or other matter that may inhibit insulation adhesion.
 1. Inspect substrates to be smooth without large voids or sharp protrusions. Inform Construction Manager if substrates are not acceptable and need to be repaired by the concrete sub-trade.
 2. Inspect masonry joints to be reasonably flush and completely filled, and ensure all excess mortar sitting on masonry ties has been removed. Inform Construction Manager if masonry joints are not acceptable and need to be repaired by the mason sub-trade.
 3. Verify substrate is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D4263 and take suitable measures until substrate passes moisture test.
 4. Verify sealants are compatible with membrane proposed for use. Perform field peel-adhesion test on materials to which sealants are adhered.

5. Notify Construction Manager in writing of anticipated problems using closed cell, medium density spray polyurethane foam over substrate prior to proceeding.

3.02 PREPARATION

- A. Provide all personal protective equipment for duration of product application.
- B. Mask and protect adjacent surfaces from over spray or dusting.
- C. Erect barriers, isolate area and post warning signs to advise non-protected personnel to avoid the spray area.
- D. Confirm installation of blocking at opening perimeters by other trades to allow installation of air barrier transition membranes.
- E. Apply primer in accordance with manufacturer's instructions. Confirm application rate on sheathing to determine effective rate of application.
 1. Prime masonry, concrete substrates with primers.
 2. Prime glass-fiber surfaced gypsum sheathing with an adequate number (if applicable) of coats to achieve required bond, with adequate drying time between coats.
 3. Prime wood, metal, aluminum, structural steel, sheet metal, and painted substrates with primer.
 4. Clean galvanized metal of oil residue.
 5. Prepare, treat, and seal vertical and horizontal surfaces at terminations and penetrations through air barrier and protrusions.
- F. Install polyethylene or similar bond break at piping and other protrusions.
- G. Transition Strip Installation: Install air barrier accessories and closed cell, medium density spray polyurethane foam to provide continuity throughout the building envelope. Install materials in accordance with manufacturer's instructions and the following:
 1. Position subsequent sheets of membrane applied above so that it overlaps the membrane sheet below by a minimum of 2.0 inches (50 mm), unless greater overlap is recommended by material manufacturer. Roll into place with roller ensuring all transition membranes are free of fish-mouths, wrinkles, delaminations, bubbles and voids.
 2. Overlap horizontally adjacent pieces of membrane a minimum of 2.0 inches (50 mm), unless greater overlap is recommended by material manufacturer. Roll all areas of membrane including seams with roller.
 3. Connect air barrier in exterior wall assembly continuously to the air barrier of the roof, to concrete below-grade structures, to windows, curtain wall, storefront, louvers, exterior doors and other intersection conditions and perform sealing of penetrations, using accessory materials and in accordance with the manufacturer's recommendations.
 4. Provide transition membrane, sealant, mastic, membrane counter-flashing or other material recommended by spray polyurethane foam manufacturer at 90 degree inside or outside corners. Follow spray polyurethane foam manufacturer's instructions for instructions on how to treat interlocked CMU or structurally-attached 90 degree cast-in place concrete corners.
 5. Provide mechanically fastened non-corrosive metal sheet to span gaps greater than 1.0 inch (25 mm) in substrate plane and to make a smooth transition from one plane to the other. Membrane shall be continuously supported by substrate.
 6. At through-wall flashings, provide an additional 6.0 inch (150mm) wide strip of manufacturer's recommended membrane counter-flashing to seal top of through-wall flashing to membrane. Seal exposed top edge of strip with bead of mastic or as recommended by manufacturer.
 7. At deflection and control joints, provide backup for the membrane to accommodate anticipated movement.
 8. Install extruded insulation strips at perimeter of openings to prevent overspray to frames.
 9. Ensure that membranes at terminations have a pull adhesive of 16 psi or greater.

3.03 APPLICATION

- A. Apply insulation in accordance with manufacturer's instructions.
- B. **Refer to Wall Type details for location of open cell and closed cell foam. Open cell is identified specifically. All locations identified as "spray foam insulation" shall be closed cell.**
- C. Apply insulation by spray method, to a uniform monolithic density without voids.

- D. Apply to a minimum cured thickness of 2 inch. An additional pass of 2.0 inches (50 mm) shall only be done after the first pass has had time to cool down. At no time shall more than 4.0 inches (100 mm) be installed in a single day. There are no exceptions to this requirement as it is a health and safety requirement.
- E. Install within material manufacturer's tolerances, but not more than minus ¼ inch (6 mm).
- F. Finished surface of foam insulation to be free of voids and embedded foreign objects.
- G. Complete connections to other air barrier components and repair any gaps, holes or other damage using material in a manner approved by primary air barrier material manufacturer.
- H. Inspect installation prior to enclosing assembly and repair damaged areas with closed cell, medium density spray polyurethane foam as recommended by manufacturer.
- I. Where applied to voids and gaps, assure space for expansion to avoid pressure on adjacent materials that may bind operable parts.
- J. Trim excess away for applied trim or remove as required for continuous sealant bead.

3.04 FIELD QUALITY CONTROL

- A. Insulation applicator shall perform the following tests:
 - 1. Adhesion
 - 2. Cohesion
 - 3. Thickness
 - 4. Density
- B. Insulation applicator shall complete daily inspection reports as required by ABAA using approved work record forms.

3.05 PROTECTION AND CLEANING

- A. Remove masking materials and over spray from adjacent areas immediately after foam surface has hardened. Ensure cleaning methods do not damage work performed by other sections.
- B. Do not permit subsequent construction work to disturb applied insulation.
- C. Clean spillage and soiling from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction and acceptable to the primary material manufacturer.

END OF SECTION

SECTION 11 40 01
CUSTOM FABRICATED STAINLESS STEEL COUNTERTOP

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Custom fabricated stainless steel units, including:
 - 1. Stainless steel counters installed over casework as shown on drawing sheet A210.

1.02 RELATED REQUIREMENTS

- A. Section 06 41 00 - Architectural Wood Casework: Base cabinets under stainless steel countertops.

1.03 REFERENCE STANDARDS

- A. ASTM A240/A240M - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications; 2016.
- B. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service; 2015a.
- C. ASTM A270/A270M - Standard Specification for Seamless and Welded Austenitic and Ferritic/Austenitic Stainless Steel Sanitary Tubing; 2015.
- D. ASTM A276/A276M - Standard Specification for Stainless Steel Bars and Shapes; 2016a.
- E. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- F. NSF 2 - Food Equipment; 2014.
- G. SMACNA (KVS) - Kitchen Ventilation Systems and Food Service Equipment Fabrication and Installation Guidelines; 2001.
- H. SMACNA (SRM) - Seismic Restraint Manual Guidelines for Mechanical Systems; Sheet Metal and Air Conditioning Contractors' National Association; 2008.

1.04 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each manufactured product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- B. Shop Drawings: Complete floor plans, elevations, cross-sections, and construction details for all fabricated units; include:
 - 1. Layout and anchorage of equipment and accessories, including clearances for maintenance and operation and required electrical or plumbing connections.
 - 2. Size, type, and location.
- C. Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Stainless Steel: 18-8 percent chromium-nickel composition, minimum; Type 302, 304, or 316; No. 4 - Brushed finish on exposed surfaces.
 - 1. Sheets: ASTM A240/A240M or ASTM A666.
 - 2. Tubing: ASTM A269/A269M or ASTM A270/A270M; of true roundness with seams and welds ground smooth.
 - 3. Bars: ASTM A276/A276M.
- B. Sound Deadening Material: Bituminous paint or other water resistant mastic.
- C. Sealants: As specified in Section 07 92 00.

- D. Manufactured Components:
 1. Finish Hardware: Manufacturer's standard; stainless steel with satin finish.
 2. Feet for Legs: Bullet shaped stainless steel; screwed into tubular legs with concealed screw threads; minimum 1 inch vertical adjustment.
- E. Bolts, Screws, and Rivets: Stainless steel; do not use on exposed surfaces unless specifically indicated or otherwise unavoidable.
 1. Bolt and Screw Caps: Provide lock washer and chromium-plated brass/bronze acorn nut to cap visible or exposed threads on inside of fixtures.
- F. Anchoring Devices: Stainless steel, of type appropriate for use; provide seismic anchorage as specified in SMACNA (KVS).

2.02 CUSTOM FABRICATED UNITS - GENERAL REQUIREMENTS

- A. See drawings for dimensions and configurations; ensure proper fit by taking field measurements prior to fabrication.
- B. Provide fully shop assembled units complying with SMACNA (KVS) and NSF 2, unless indicated otherwise; stainless steel components unless indicated otherwise.
 1. Where details are referenced as "SMACNA" details, refer to SMACNA (KVS).
 2. Stainless Steel Sheet: For surfaces up to 12 feet in length provide one continuous sheet without joints or welds, including back and end splashes.
 3. Joints: All joints welded unless specifically indicated or impossible; do not solder or braze stainless steel; do not use bolts, screws, or other fasteners on work surfaces, food contact surfaces, or wet surfaces.
 4. Sound Deadening: Apply sound deadening material to accessible internal surfaces of metal work and underside of metal counters and sinks.
- C. Counter: Stainless steel, 14 gage, 0.0747 inch thick, minimum; with underbracing as recommended by SMACNA (KVS), and bullnose edges.
- D. Counter Edges: Provide finished edge on all open sides; close open ends down to bottom edge of turn down; if not otherwise indicated provide bullnose edges.

2.03 FABRICATION

- A. Joints, Bends, and Edges: Make all joints close fitting, especially butt and contact joints.
 1. Make brake bends free of open-texture or orange peel appearance.
 2. Make sheared edges free of burrs, projections, and fins.
 3. Neatly finish mitered and bullnosed corners with under edge of material ground to uniform condition, without overlapping materials or cracks.
- B. Welding: Make all welded joints smooth, ductile, and watertight, without gaps, holes, or discoloration or marring of surface adjacent to welds.
 1. Use welding processes and filler metal compatible with material being welded. Do not use carbon arc welding on surfaces that will be exposed to view in finished work.
 2. Grind exposed welds flush with adjacent material; finish and polish to match adjacent surface. Avoid excessive heating of metal and metal discoloration. In grinding, use iron-free abrasives, wheels, and belts that have not been used on carbon-steel. Remove pits, runs, sputter, cracks, low spots, voids, buckles, and all other imperfections. Remove grain of rough grinding by several successively finer polishing until specified finish is attained.
 3. When welding sheet, penetrate entire thickness for entire length of joint; make joints flat, continuous and homogeneous with sheet metal without reliance on straps under seams, filling with solder, or spot welding.
 4. When stainless steel is joined to dissimilar materials, use stainless steel for fastening devices and welding material.
 5. Protection Against Corrosion: Eliminate possibility of corrosion wherever welding occurs on stainless steel. Minimize possibility of carbide precipitation in welding bolts and screws.
 6. When welding galvanized steel, thoroughly clean and repair damaged galvanizing and coat welds with polyurethane coating.
 7. Where bolts or screws are welded to underside of tops or trim, finish and undepress the exposed side of welds.
 8. Coat welds and discolorations that are not exposed to view in finished work with metallic-based paint to prevent the possibility of progressive corrosion of joints, unless welds are ground and polished smooth.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 INSTALLATION

- A. Install in accordance with fabricator's instructions and recommendations, plumb and level and in proper locations, ready for utility connections.
- B. Lay out work in advance to prevent damage to building; cut, fit, and patch where necessary; coordinate work with others.
- C. Do not cut or fit units in the field; if adjustments are necessary due to inadequate field measurement prior to fabrication, take unit back to shop and perform modifications there.
- D. Do not field weld unless absolutely necessary; weld and grind field joints in accordance with specified fabrication procedures.
- E. Securely anchor and attach non-mobile or adjustable-leg equipment to walls, floors, or bases with stainless steel bolts.
- F. Follow SMACNA (SRM) seismic restraint recommendations for project location.

3.03 CLEANING

- A. Remove masking or protective covering from stainless steel and other finished surfaces.

3.04 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION

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SECTION 23 82 16

DUCT COILS

PART 1: GENERAL

1.01 RELATED DOCUMENTS

- A. Conditions of the Contract and portions of Division One of this Project Manual apply to this Section as though repeated herein.
- B. The requirements of Section 23 05 00 apply to this Section.

1.02 SUBMITTALS

- A. Submit in accord with Section 01 30 00.
 - 1. Shop drawings and descriptive product data describing all material furnished under Part 2 of this Section.

PART 2: PRODUCTS

2.01 ELECTRIC DUCT COILS

- A. Based on product by Indeeco.
 - 1. Greenheck, Heatrex, Q-Mark and Reddi-Heat equals are acceptable.
- B. Coils shall be of model, type, size and capacity listed in schedule on Drawings.
- C. Heaters and panelboards (if required) shall meet the requirements of the National Electrical Code and shall be listed by Underwriters Laboratories for zero clearance to combustible surfaces and for use with heat pumps and air conditioning equipment.
- D. Heating elements shall be open coil, 80% nickel, 20% chromium, Grade A resistance wire. Type C alloys containing iron or other alloys are not acceptable. Coils shall be machine crimped into stainless steel terminals extending at least 1" into the airstream and all terminal hardware shall be stainless steel. Coils shall be supported by ceramic bushings staked into supporting brackets.
- E. Heater frames and terminal boxes shall be corrosion resistant steel. Unless otherwise indicated, the terminal box shall be NEMA 1 construction and shall be provided with a hinged, latching cover and multiple concentric knockouts for field wiring.
- F. All heaters shall be furnished with a disc type, automatic reset thermal cutout for primary over-temperature protection. All heaters shall also be furnished with disc type, load carrying manual reset thermal cutouts, factory wired in series with heater stages for secondary protection. Heat limiters or other fusible over-temperature devices are not acceptable.
- G. Heaters shall be rated for the voltage, phase, and number of heating stages indicated in the schedule. All three-phase heaters shall have equal, balanced, three-phase stages. All internal wiring shall be stranded copper with 105°C insulation and shall be terminated in crimped connectors or box lugs.
- H. Terminal blocks shall be provided for all field wiring and shall be sized for installation of 75°C copper wire rated in accordance with NEC requirements.
- I. See schedule on plans for additional options.

PART 3: EXECUTION

3.01 GENERAL

- A. See schedules on plans for coil model, size and capacity.

3.02 ELECTRIC DUCT COILS

- A. Install duct coil in a location that provides uniform airflow across face of coil. The heater's UL Listing requires that it not be installed closer than 4' downstream or upstream from a fan outlet, abrupt transition, or other obstructions. Elbows or turns must be located at least 4' from inlet of the heater and 2' from outlet of the heater.

END OF SECTION 23 82 16



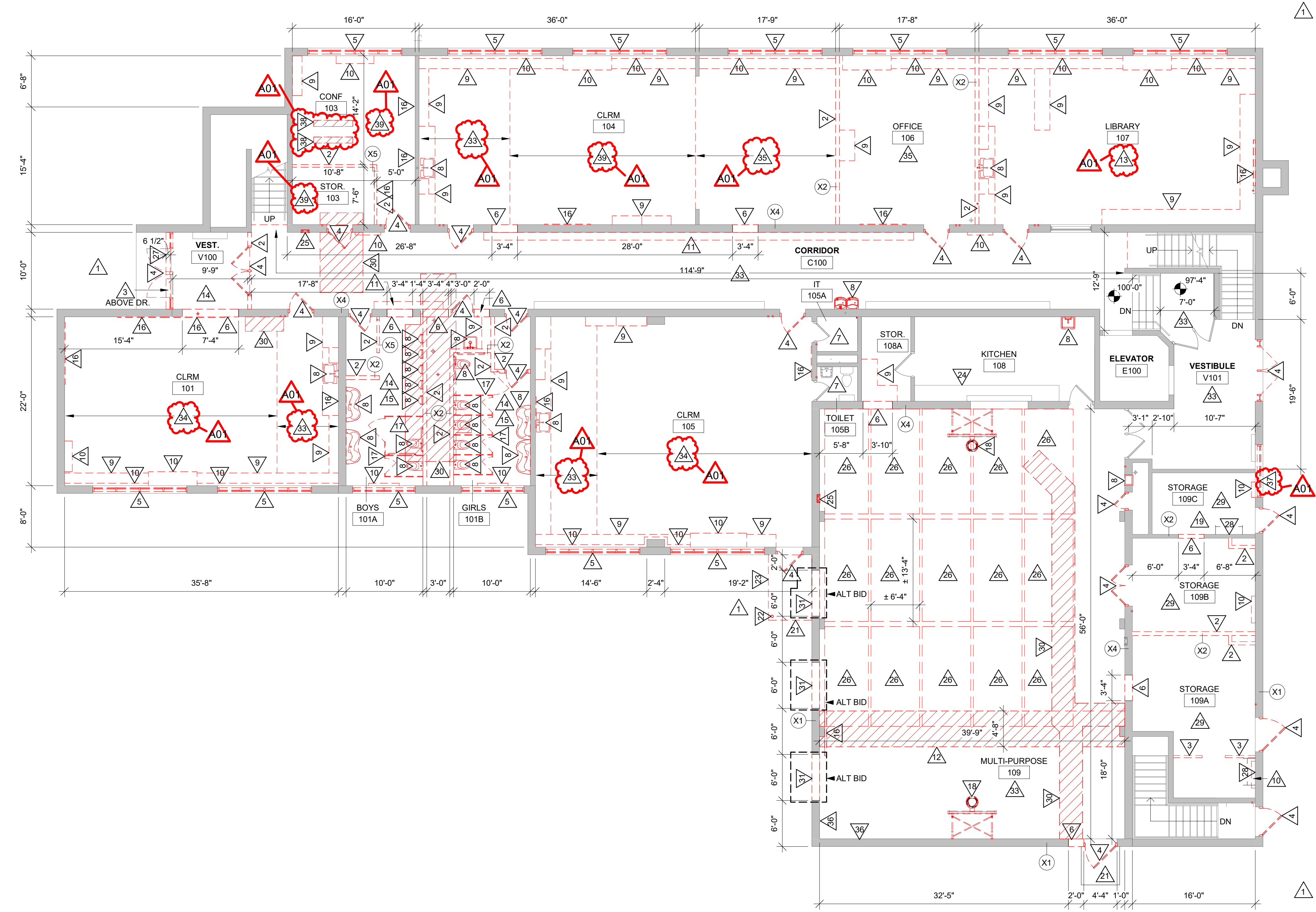
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NOTE REGARDING SHEFFIELD TILE:
LAKEVIEW ELEMENTARY WAS CONSTRUCTED OF A SHEFFIELD TILE FLOOR AND ROOF SYSTEM. THIS SYSTEM WAS NEW AND EXPERIMENTAL AT THE TIME WITH SEVERAL SYSTEMS IN USE AT THE TIME. IT HAS PROVEN TO BE TROUBLESOME AS IT FAILS WITHOUT WARNING DUE TO DESIGN AND CONSTRUCTION ISSUES AND THE BRITTLENESS OF THE TILES. IT IS SENSITIVE TO OVER LOADING AND CORING. THE SYSTEM HAS NO REAL WAY TO SHARE LOADS AROUND OPENINGS LIKE TODAY'S PRECAST PLANK HEADER SYSTEM. SO CHASES AND LARGER OPENINGS OFTEN REQUIRE LARGER STRUCTURAL FRAMED OPENINGS. THE FLOOR AND ROOF AT LAKEVIEW HAVE BEEN SURVEYED IN THE PAST AND NOTED DEFLECTION HAS OCCURRED IN SEVERAL ROOMS. THIS DEFLECTION HAS ENGAGED NORMALLY NON-STRUCTURAL WALL INTO A BEARING CONDITION.
THE DESIGN TEAM HAS ATTENDED TO MOST OPENINGS ANTICIPATED FOR FINAL CONSTRUCTION OF THE RENOVATION. IT IS RECOMMENDED THAT THE FLOORS ARE NOT USED FOR STORAGE OF MATERIALS. MEANS AND METHODS APPROACHES TO CORING, LOADING AND TEMPORARY CONSTRUCTION SHOULD BE REVIEWED BY THE CONTRACTOR AND THEIR TEAM TO ASSURE THE SAFETY OF PERSONNEL AND THE STABILITY OF THE STRUCTURE.

- REMOVAL GENERAL NOTES:**
- A ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. TIME AND METHODS SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER AND ARCHITECT. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNLESS CONDUIT, PIPES, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
 - B PREPARATION FOR NEW FINISHES SHALL INCLUDE BUT NOT LIMITED TO REMOVAL OF EXISTING FINISHES, REMOVAL OF TAPES, GLUES (MASTIC), NAILS, ETC. PATCHING OF HOLES AND CRACKS TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION. PATCH CMU AT REMOVED CLOCKS.
 - C OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
 - D MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHAL AS REQUIRED.
 - E ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
 - F CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, BRACING, ETC. AS REQUIRED FOR THE WORK.
 - G COORDINATE REMOVAL AND PATCHING WITH MEP DRAWINGS. PATCH TO MATCH EXISTING ADJACENT CONDITIONS.
 - H PROVIDE FLOOR PROTECTION AS SPECIFIED.
 - J ACOUSTIC SPRAY CEILING TO BE ABBATED UNDER SEPERATE CONTRACT.
 - K CONTRACTOR SHALL REMOVE ALL EXISTING INTERIOR ROOM SIGNAGE.

- REMOVAL PLAN LEGEND:**
- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - REMOVE ITEMS NOTED WITH DASHED LINES
 - SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
 - SYMBOL INDICATES REMOVAL CONCRETE SLAB - SEE ELECTRICAL / PLUMBING / STRUCTURAL SHEETS.

- KEY NOTES REMOVAL**
- 1 SEE CIVIL SHEETS FOR SITE REMOVAL REQUIREMENTS.
 - 2 REMOVE EXISTING WALL (CONCRETE), PATCH WITH FLOORING/ LEVELER/ PATCHING TO RECEIVE NEW FLOORING.
 - 3 REMOVE EXISTING WALL (FRAME), PATCH WITH FLOORING/ LEVELER/ PATCHING TO RECEIVE NEW FLOORING.
 - 4 EXISTING REMOVAL OF DOOR & FRAME N.I.C. (BY ABATEMENT CONTRACTOR)
 - 5 REMOVE INFILL PANEL FROM EXISTING WINDOW, EXISTING FRAME, GLASS AND SILLS TO REMAIN. SEE WDO ELEVATIONS ON A601.
 - 6 CREATE NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW MASONRY AT JAMBS.
 - 7 REMOVE EXISTING CEILING.
 - 8 REMOVE EXISTING PLUMBING FIXTURE. - SEE PLUMBING SHEETS.
 - 9 REMOVE EXISTING CASEWORK & BASE. PATCH WITH FLOORING/ LEVELER/ PATCHING TO RECEIVE NEW FLOORING.
 - 10 REMOVE EXISTING MECHANICAL EQUIPMENT - SEE MECHANICAL SHEETS. PATCH WITH FLOORING/ LEVELER/ PATCHING TO RECEIVE NEW FLOORING.
 - 11 REMOVE EXISTING CONCRETE LOCKER BASE. PATCH WITH FLOORING/ LEVELER/ PATCHING TO RECEIVE NEW FLOORING.
 - 12 REMOVE EXISTING SLAB-ON-GRADE AS REQUIRED FOR STRUCTURAL WORK - SEE STRUCTURAL SHEETS. VCT FLOORING ADHESIVE.
 - 13 REMOVE EXISTING FLOORING & ADHESIVE. PREP FLOOR TO BE EXPOSED CONCRETE. (CARPET PRESENT).
 - 14 REMOVE EXISTING CORE AND TILE. PATCH WITH FLOORING/ LEVELER/ PATCHING TO RECEIVE NEW FLOORING.
 - 15 REMOVE EXISTING TILE WALL COVERING.
 - 16 REMOVE EXISTING SMARTBOARD, WHITEBOARD OR BULLETIN BOARD.
 - 17 REMOVE EXISTING TOILET PARTITIONS.
 - 18 REMOVE EXISTING BASKETBALL HOOP & SUPPORT STRUCTURE.
 - 19 REMOVE EXISTING TILE BASE.
 - 20 REMOVE EXISTING WOOD PLATFORM & SUPPORT STRUCTURE.
 - 21 REMOVE EXISTING FROST STOOP AND CONCRETE SLAB.
 - 22 REMOVE EXISTING COLUMN.
 - 23 REMOVE EXISTING ROOF/CANOPY SYSTEM.
 - 24 EXISTING CASEWORK TO REMAIN.
 - 25 REMOVE EXISTING FIRE EXTINGUISHER / FIRE EXTINGUISHER CABINET.
 - 26 REMOVE EXISTING ACOUSTIC CEILING TILES FROM UNDERSIDE OF ROOF STRUCTURE BETWEEN BEAMS/PURLINS.
 - 27 REMOVE PORTION OF EXISTING SLAB FOR NEW FROST WALL CONNECTION - SEE 9A500 FOR DETAIL.
 - 28 REMOVE EXISTING PAINT FROM WALL TO PREPARE SURFACE FOR NEW WALL TILE.
 - 29 MECHANICALLY REMOVE EXISTING PAINT FROM FLOOR TO PREPARE SURFACE FOR NEW FLOOR FINISH.
 - 30 REMOVE SLAB-ON-GRADE AS REQUIRED FOR PLUMBING WORK - SEE PLUMBING SHEETS. VCT FLOORING ADHESIVE ABETMENT N.I.C. (BY ABATEMENT CONTRACTOR)
 - 31 ALT BID - CREATE NEW OPENING IN EXISTING CMU WALL. SALVAGE FACE BRICK. TOOTH IN NEW MASONRY AT JAMBS.
 - 32 NOT USED.
 - 33 EXISTING VCT FLOORING TO REMAIN. NEW FLOORING SURFACE APPLIED OVER.
 - 34 EXISTING CARPET REMOVAL N.I.C. (BY ABATEMENT CONTRACTOR). EXISTING VCT FLOORING UNDER CARPET TO REMAIN WITH NEW FLOORING SURFACE APPLIED OVER.
 - 35 EXISTING VCT FLOORING REMOVAL N.I.C. (BY ABATEMENT CONTRACTOR)
 - 36 REMOVE EXISTING CLIMBING WALL PANELS.
 - 37 REMOVE EXISTING WINDOW AND SILL N.I.C. (BY ABATEMENT CONTRACTOR) PREP FOR WALL INFILL.
 - 38 REMOVE SLAB-ON-GRADE AS REQUIRED FOR ELECTRICAL WORK - SEE ELECTRICAL SHEETS.
 - 39 REMOVE EXISTING CARPET. EXISTING VCT FLOORING UNDER CARPET TO REMAIN WITH NEW FLOORING SURFACE APPLIED OVER.



1 FIRST FLOOR REMOVAL PLAN
1/8" = 1'-0"

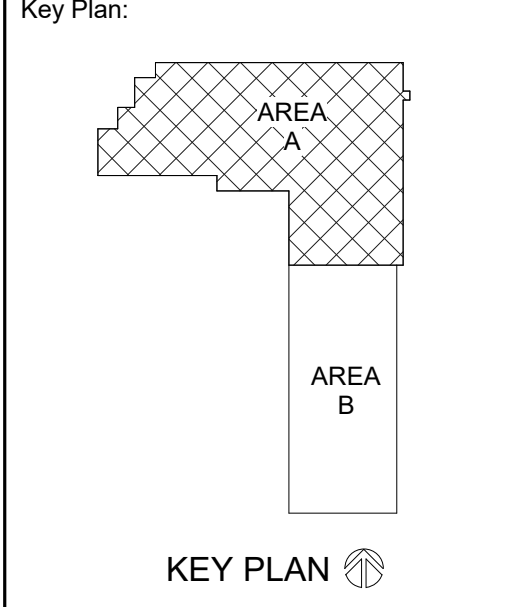
SPARTA POLICE STATION
LAKEVIEW
 Project Location: 711 PINE STREET
 SPARTA, WI 54656
 Sheet Title: **FIRST FLOOR REMOVAL PLAN**

Project Title: **SPARTA POLICE STATION LAKEVIEW**

HSR Project Number: **19042**

Project Date: **8.20.2020**

Drawn By: **HSR**



BID DOCUMENTS

No.	Description	Date
A01	ADDENDUM 1	9-1-20

Graphic Scale: **VARIES**

Last Update: **9/1/2020 1:32:55 PM**

A091



Consultant:



3 SITE PHOTO
3/16" = 1'-0"



2 SITE PHOTO
3/16" = 1'-0"

GENERAL NOTES:

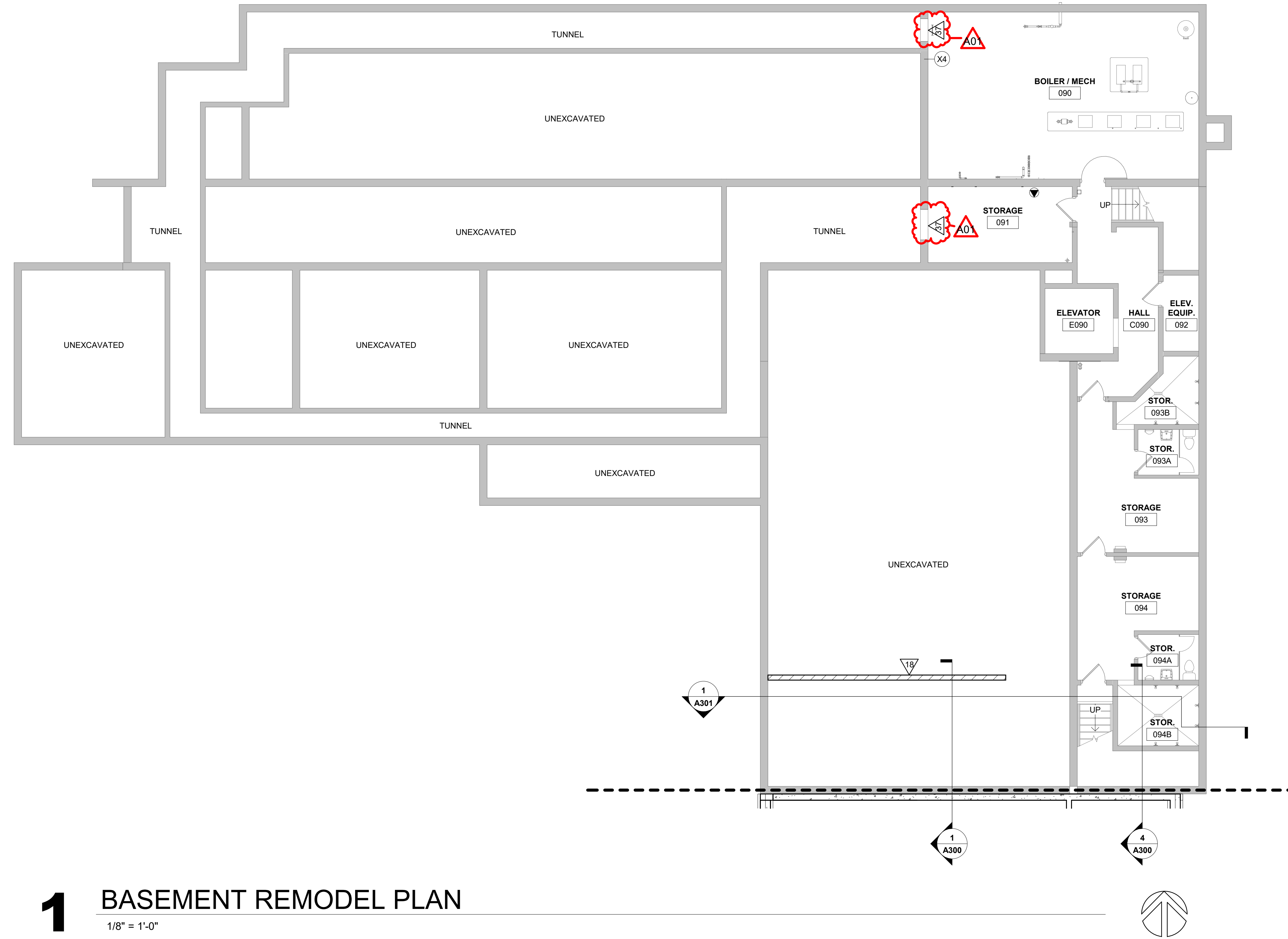
- SEE ID SHEETS FOR FLOOR / WALL FINISH LAYOUTS AND PAINT SCOPE.
- LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
- PAINT ALL EXPOSED STEEL LINTELS.
- INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.
- SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
- SEE A502 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR C.J. LOCATIONS. C.J. = CONTROL JOINTS.
- EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A502 FOR TOP OF WALL DETAILS.
- SEE A501 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
- GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECHANICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECH/ELECTRICAL.

LEGEND:

- SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.
- SYMBOL INDICATES WINDOW TYPE. SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.
- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- ALT-BID. RADIANT IN-FLOOR HEAT & INSULATION - SEE MECHANICAL / STRUCTURAL SHEETS.
- CONCRETE IN-FILL PATCH - SEE ELECTRICAL / PLUMBING / STRUCTURAL SHEETS.
- METAL GRATE FLOOR - SEE STRUCTURAL SHEETS.

KEY NOTES PLAN

- INSTALL NEW CONCRETE FROST STOP - SEE STRUCTURAL SHEETS.
- INSTALL NEW CONCRETE SLAB-ON-GRADE - SEE STRUCTURAL SHEETS.
- INSTALL NEW COLUMN. PAINT COLUMN @ EXTERIOR - SEE STRUCTURAL SHEETS.
- INSTALL NEW CASEWORK - SEE A210 FOR CASEWORK ELEVATIONS.
- INSTALL NEW FLOORING & BASE - SEE ID SHEETS.
- INSTALL NEW PLUMBING FIXTURE - SEE PLUMBING SHEETS.
- WASHER / DRYER (N.I.C.) - HOOK-UPS BY G.C. - SEE ELECTRICAL & PLUMBING SHEETS.
- ALT BID - INSTALL NEW SOLID SURFACE WINDOW STOOL - SEE ID SHEETS.
- INSTALL NEW BOLLARD - SEE 1A501.
- INSTALL NEW TRENCH DRAIN - SEE PLUMBING & STRUCTURAL SHEETS.
- INSTALL NEW LOCKER W/ INTREGAL BENCH & BUILT-IN OUTLET - SEE ELECTRICAL SHEETS.
- NOT USED.
- INSTALL NEW CAR WASH CURTAIN.
- DOG KENNEL - N.I.C.
- BIKE RACKING - N.I.C.
- MECHANICAL EQUIPMENT - SEE MECHANICAL SHEETS.
- INSTALL NEW EVIDENCE LOCKER.
- THICKENED SLAB FOOTING - SEE STRUCTURAL SHEETS.
- INSTALL EXISTING TRANSACTION WINDOW GLAZING PROVIDED BY OWNER. FIELD VERIFY SIZE.
- NOT USED.
- FUME HOOD BY OWNER - N.I.C.
- EXISTING CASEWORK TO REMAIN.
- INSTALL NEW METAL GRATE FLOOR - SEE STRUCTURAL SHEETS.
- INSTALL NEW LADDER.
- INSTALL NEW 1 1/2" (1.88" O.D.) STEEL PIPE GUARDRAIL - PAINT. PLACE VERTICAL POSTS @ 4'-0" O.C. MAX.
- INSTALL EXISTING PASS-THROUGH LOCKERS & TRIM PROVIDED BY OWNER. ROUGH OPENING TO BE VERIFIED IN FIELD.
- CAP EXISTING LOUVER OPENING WITH SHEET METAL ON INTERIOR TO MAKE WATER TIGHT. LOUVER ON EXTERIOR TO STAY AS IS. SPRAY FOAM OVER NEW SHEET METAL CAP WITH NEW WALL TYPE CGA. FIELD VERIFY SIZE.
- PATCH CONCRETE SLAB TO MATCH ADJACENT SLAB CONSTRUCTION & FINISH - SEE STRUCTURAL SHEETS.
- INSTALL NEW 6" THICK WITH REINFORCING CONCRETE EQUIPMENT PAD - SEE MECHANICAL SHEETS.
- FURNITURE - N.I.C.
- APPLY REACTIVE HARDENER / SEALER TO CONCRETE FLOOR.
- PATCH CONCRETE SLAB TO MATCH ADJACENT SLAB CONSTRUCTION & FINISH - SEE PLUMBING SHEETS.
- NOT USED.
- INSTALL WALL TYPE D4 @ PERIMETER OF EXISTING CONCRETE LOCKER BASE.
- INSTALL NEW DOOR OPERATOR ACTUATOR.
- PREP. PRIME & PAINT EXISTING EXTERIOR HANDRAIL.
- PATCH CONCRETE SLAB TO MATCH ADJACENT SLAB CONSTRUCTION & FINISH - SEE ELECTRICAL SHEETS.
- EXISTING LOUVER OPENING TO BE FIELD RE-SEALED TO CORNER & PERIMETER AND FACED W/ FIRE TREATED PLYWOOD. FILL ANNULAR SPACE AROUND PIPES W/ FIBERGLASS INSULATION. ANNULAR SPACING MAX: 1/2". SEE 22A-100 FOR REFERENCE.



1 BASEMENT REMODEL PLAN
1/8" = 1'-0"

Project Title: SPARTA POLICE STATION
LAKEVIEW

Project Location: 711 PINE STREET
SPARTA, WI 54656

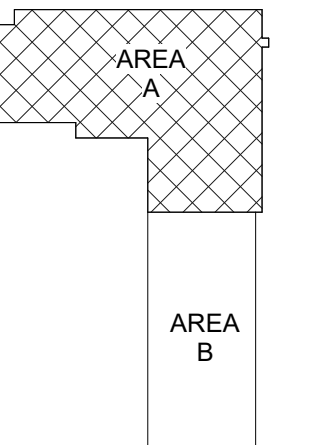
Sheet Title: BASEMENT REMODEL PLAN

HSR Project Number: 19042

Project Date: 8.20.2020

Drawn By: HSR

Key Plan:



KEY PLAN

BID DOCUMENTS

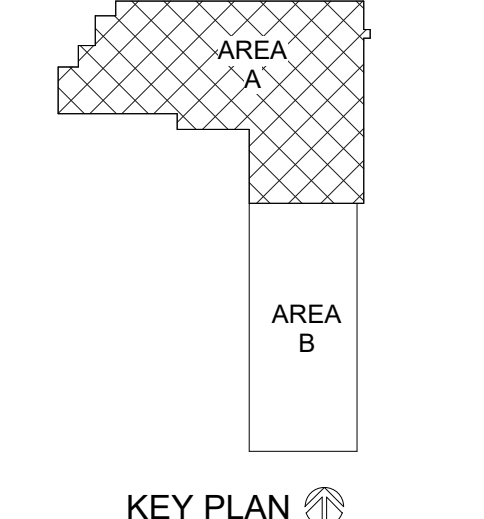
Revisions:

No.	Description	Date
A01	ADDENDUM 1	9-1-20

Graphic Scale: VARIES

Last Update: 9/1/2020 1:32:58 PM

A100



No.	Description	Date
A01	ADDENDUM 1	9-1-20

Graphic Scale: VARIES

Last Update: 9/1/2020 1:33:05 PM

EQUIPMENT SCHEDULE

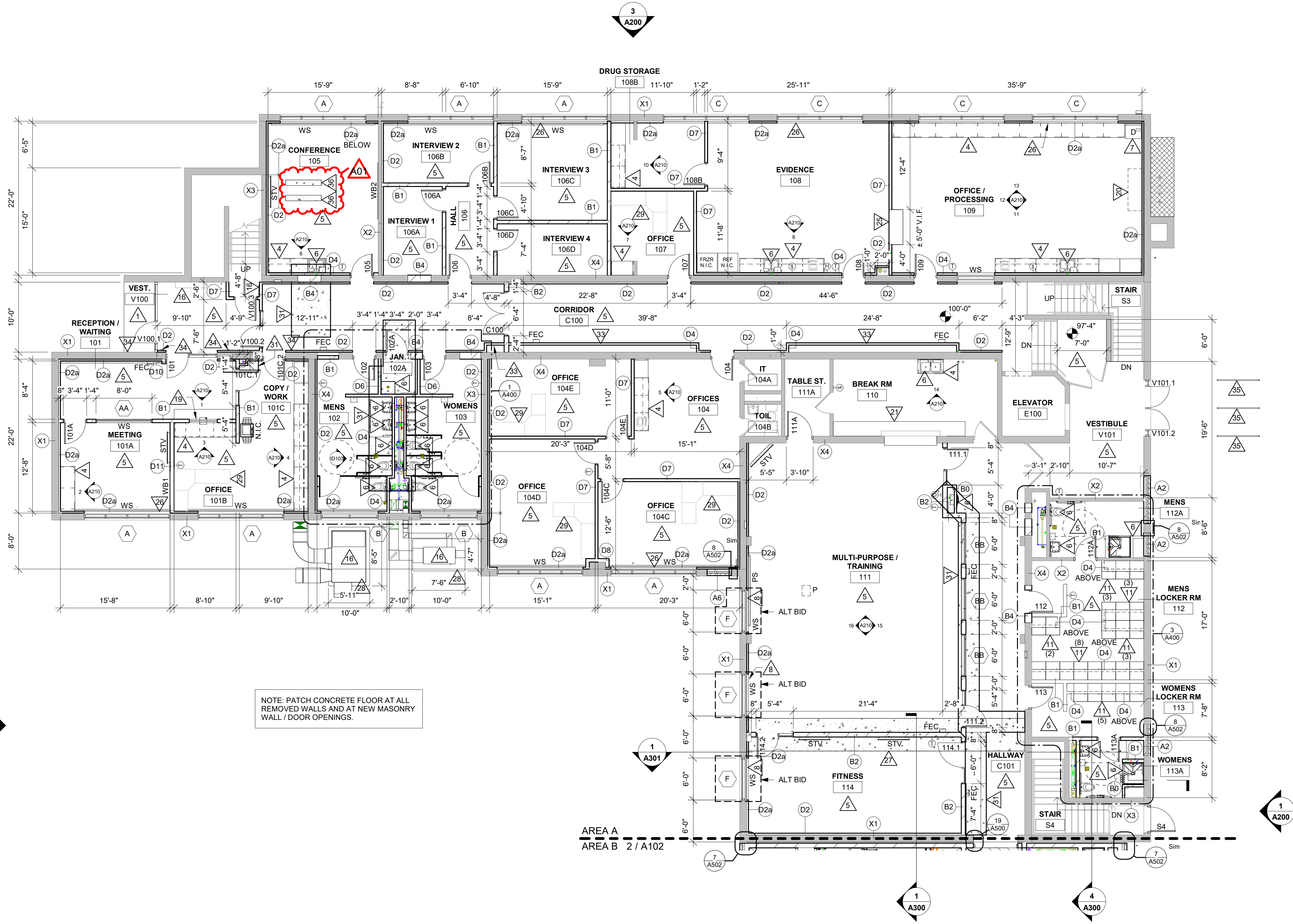
ABBREVIATION	ITEM	STD. MOUNTING HEIGHT	OWNER FURNISHED OR RELOCATED	OWNER FURNISHED	OWNER INSTALLED	OWNER INSTALLED
MBH	MOP AND BROOM HOLDER	TOP @ 5'-0" A.F.F.		X	X	
P	CEILING MOUNTED PROJECTOR	COORDINATE W/OWNER		X	X	
PS	96" MOTORIZED WALL MOUNTED PROJECTION SCREEN	COORDINATE W/OWNER		X	X	
STV	SMART TELEVISION (SIZE BY OWNER)	COORDINATE W/OWNER		X	X	
WB1	60"x48" WHITE BOARD	TOP @ 6'-10" A.F.F.		X	X	
WB2	96"x48" WHITE BOARD	TOP @ 6'-10" A.F.F.		X	X	
WS	WINDOW SHADE (SEE ID SHEETS)	SEE ID SHEETS		X	X	

EQUIPMENT SCHEDULE GENERAL NOTES:
1. CONFIRM EXACT LOCATION OF EACH ITEM WITH OWNER PRIOR TO INSTALLATION.
2. SEE A400 FOR ACCESSORIES SCHEDULE.

- ### GENERAL NOTES:
- SEE ID SHEETS FOR FLOOR / WALL FINISH LAYOUTS AND PAINT SCOPE.
 - LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
 - VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
 - PAINT ALL EXPOSED STEEL LINTELS.
 - INSTALL BULLNOSE ON ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.
 - SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
 - SEE A502 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS: CJ = CONTROL JOINTS
 - EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A502 FOR TOP OF WALL DETAILS.
 - SEE A501 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
 - GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PAD/CURBS AS REQUIRED FOR MECHANICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECH/ELECTRICAL.

- ### LEGEND:
- Symbol A: SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.
 - Symbol A: SYMBOL INDICATES WINDOW TYPE. SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.
 - Symbol A: SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - Symbol A: ALT-BID RADIANT IN-FLOOR HEAT & INSULATION - SEE MECHANICAL / STRUCTURAL SHEETS.
 - Symbol A: CONCRETE INFILL PATCH - SEE ELECTRICAL / PLUMBING / STRUCTURAL SHEETS.
 - Symbol A: METAL GRATE FLOOR - SEE STRUCTURAL SHEETS.

- ### KEY NOTES PLAN
- INSTALL NEW CONCRETE FROST STOOP - SEE STRUCTURAL SHEETS.
 - INSTALL NEW CONCRETE SLAB-ON-GRADE - SEE STRUCTURAL SHEETS.
 - INSTALL NEW COLUMN. PAINT COLUMN @ EXTERIOR - SEE STRUCTURAL SHEETS.
 - INSTALL NEW CASEWORK - SEE A210 FOR CASEWORK ELEVATIONS.
 - INSTALL NEW FLOORING & BASE - SEE ID SHEETS.
 - INSTALL NEW PLUMBING FIXTURE - SEE PLUMBING SHEETS.
 - WASHER / DRYER (N.I.C.) - HOOK-UPS BY G.C. - SEE ELECTRICAL & PLUMBING SHEETS.
 - ALT-BID - INSTALL NEW SOLID SURFACE WINDOW STOOL - SEE ID SHEETS.
 - INSTALL NEW BOLLARD - SEE 1A501.
 - INSTALL NEW TRENCH DRAIN - SEE PLUMBING & STRUCTURAL SHEETS.
 - INSTALL NEW LOCKER W/ INTEGRAL BENCH & BUILT-IN OUTLET - SEE ELECTRICAL SHEETS.
 - NOT USED.
 - INSTALL NEW CAR WASH CURTAIN.
 - DOG KENNEL - N.I.C.
 - BIKE RACKING - N.I.C.
 - MECHANICAL EQUIPMENT - SEE MECHANICAL SHEETS.
 - INSTALL NEW EVIDENCE LOCKER.
 - THICKENED SLABFOOTING - SEE STRUCTURAL SHEETS.
 - INSTALL EXISTING TRANSACTION WINDOW GLAZING PROVIDED BY OWNER. FIELD VERIFY SIZE.
 - FLUME HOOD BY OWNER - N.I.C.
 - EXISTING CASEWORK TO REMAIN.
 - INSTALL NEW METAL GRATE FLOOR - SEE STRUCTURAL SHEETS.
 - INSTALL NEW LADDER.
 - INSTALL NEW 1 1/4" (1.88" O.D.) STEEL PIPE GUARDRAIL - PAINT. PLACE VERTICAL POSTS @ 4'-0" O.C. MAX.
 - INSTALL EXISTING PASS-THROUGH LOCKERS & TRIM PROVIDED BY OWNER. ROUGH OPENINGS TO BE VERIFIED IN FIELD.
 - CAP EXISTING LOUVER OPENING WITH SHEET METAL ON INTERIOR TO MAKE WATER TIGHT. LOUVER ON EXTERIOR TO STAY AS IS. SPRAY FOAM OVER NEW SHEET METAL CAP WITH NEW WALL TYPE D2a. FIELD VERIFY SIZE.
 - PATCH CONCRETE SLAB TO MATCH ADJACENT SLAB CONSTRUCTION & FINISH - SEE STRUCTURAL SHEETS.
 - INSTALL NEW 8" THICK WITH REINFORCING CONCRETE EQUIPMENT PAD - SEE MECHANICAL SHEETS.
 - FURNITURE - N.I.C.
 - APPLY REACTIVE HARDENER / SEALER TO CONCRETE FLOOR.
 - PATCH CONCRETE SLAB TO MATCH ADJACENT SLAB CONSTRUCTION & FINISH - SEE PLUMBING SHEETS.
 - NOT USED.
 - INSTALL WALL TYPE D4 @ PERIMETER OF EXISTING CONCRETE LOCKER BASE.
 - INSTALL NEW DOOR OPERATOR ACTUATOR.
 - PREP, PRIME & PAINT EXISTING EXTERIOR HANDRAIL.
 - PATCH CONCRETE SLAB TO MATCH ADJACENT SLAB CONSTRUCTION & FINISH - SEE ELECTRICAL SHEETS.
 - PREP, PRIME & PAINT EXISTING EXTERIOR HANDRAIL AND FACED W/ FIRE TREATED PLYWOOD. FILL ANNULAR SPACE AROUND PIPES W/ FIBERGLASS INSULATION. ANNULAR SPACING MAX. 1/2". SEE 23A100 FOR REFERENCE.



1 FIRST FLOOR REMODEL PLAN - AREA A
1/8" = 1'-0"



Consultant:

GENERAL NOTES:

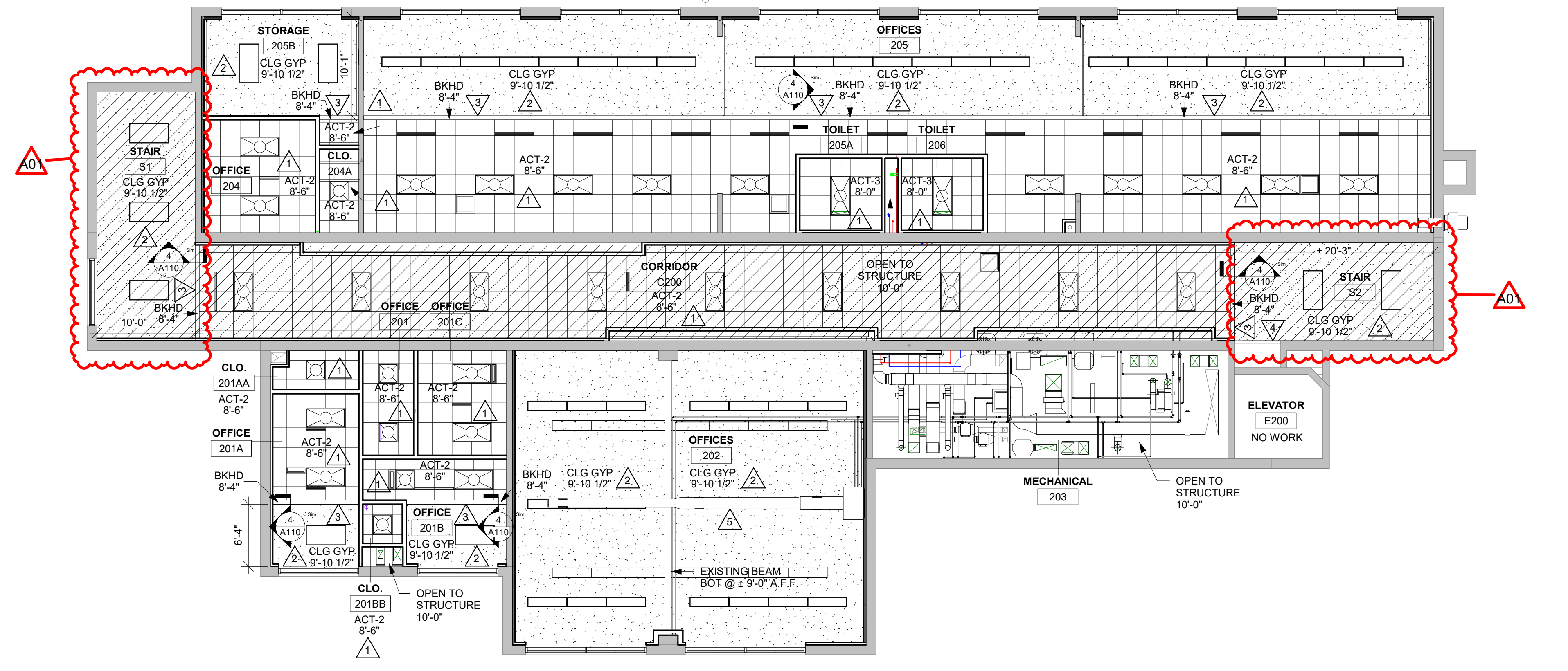
- SEE MECHANICAL FOR CEILING GRILLE INFORMATION
- SEE ELECTRICAL FOR LIGHTING TYPES
- ALL INTERIOR PARTITIONS TO EXTEND TO BOTTOM OF DECK UNLESS OTHERWISE NOTED. GLOBE DECK FLUTES AT TOP OF WALL WITH NEOPRENE FILLER OR MINERAL FIBER INSERTS. AT GYPSUM PARTITIONS SEE SPECIFICATION FOR LEVEL OF FINISH ABOVE FINISHED CEILING.
- ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED.
- WHERE NO CEILING EXPOSED STRUCTURE UNLESS NOTED OTHERWISE, CONTRACTOR SHALL KEEP ALL MEP ABOVE OR EVEN WITH THE LEVEL OF THE LIGHTS. MEP SHALL RUN IN NEAT ORDERLY APPEARANCE GENERALLY PARALLEL OR PERPENDICULAR TO FINISHED STRUCTURE. WALLS IN THESE ROOMS TO RUN TO DECK AND ALL STRUCTURE / MEP COMPONENTS ARE TO BE PAINTED.
- ALL EXTERIOR EXPOSED STEEL LINTEL HEADERS SHALL BE GALVANIZED, PRIMED AND PAINTED UNLESS NOTED OTHERWISE.
- REFER TO INTERIOR DESIGN SHEETS FOR OTHER FINISHES
- HANGERS AND SUPPORTS: MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CABLING CONTRACTORS SHALL NOT HANG OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.
- CONFIRM EXACT LOCATION OF OVERHEAD PROJECTORS AND OTHER CEILING MOUNTED EQUIPMENT WITH OWNER / MANUFACTURER PRIOR TO INSTALLATION. SEE EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT.
- CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION.
ACT-2=TEGULAR EDGE, ACT-3=VINYL FACED GYP, BKHD = GYP BD BULKHEAD, CLG GYP = GYP BD OVER METAL CHANNEL STUD, MS = METAL SOFFIT

LEGEND:

- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- SUPPLY - SEE MECHANICAL
- RETURN - SEE MECHANICAL
- EXHAUST - SEE MECHANICAL
- DESTRAT FAN - SEE MECHANICAL
- RADIANT HEATER - SEE MECHANICAL
- UNISTRUT / FRAMING - 24" O.C. TO SUPPORT CEILING SYSTEM & MEP. NO ATTACHMENT TO EXISTING CEILING SYSTEM. SIZING DESIGNED BY SUPPLIER.

KEY NOTES RCP

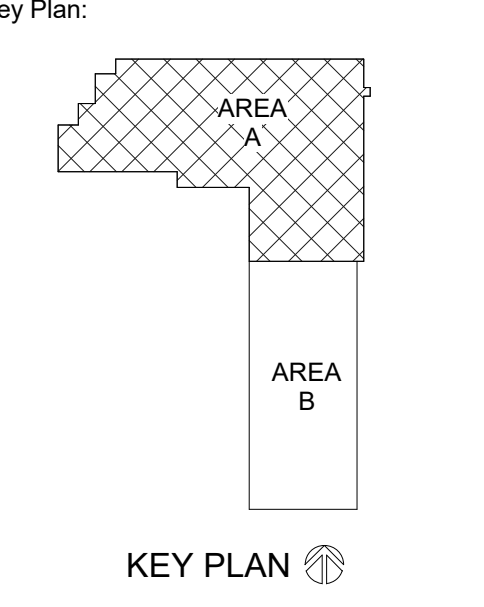
- INSTALL NEW 2 X 2 ACT CEILING
- INSTALL NEW GYP, GB CEILING PAINT
- INSTALL NEW GYP, BD BULKHEAD PAINT
- EXISTING BULKHEAD TO REMAIN
- MECHANICAL DUCTWORK (PAINT) - SEE MECHANICAL SHEETS.
- EXISTING GLUE-LAM BEAM TO REMAIN. PAINT (PNT-5)
- EXISTING PURLINS TO REMAIN. PAINT (PNT-6)
- REPAIR PLASTER/STUCCO SOFFIT - PAINT.
- NOT USED.
- PAINT EXPOSED METAL DECK, MEP AND ALL EXPOSED STRUCTURE.
- INSTALL NEW CAR WASH CURTAIN.
- INSTALL NEW METAL SOFFIT.
- OVERHEAD DOOR TRACK.
- UNISTRUT FOR WASH BAY CURTAIN TRACK. SPACING 4'-0" MAX O.C.



1 SECOND FLOOR RCP AREA A
1/8" = 1'-0"

Project Title: **SPARTA POLICE STATION LAKEVIEW**
Project Location: **711 PINE STREET SPARTA, WI 54656**
Sheet Title: **SECOND FLOOR RCP AREA A**

HSR Project Number: **19042**
Project Date: **8.20.2020**
Drawn By: **HSR**



BID DOCUMENTS

Revisions:

No.	Description	Date
A01	ADDENDUM 1	9-1-20

Graphic Scale: **VARIES**
Last Update: **9/1/2020 1:33:08 PM**

A112

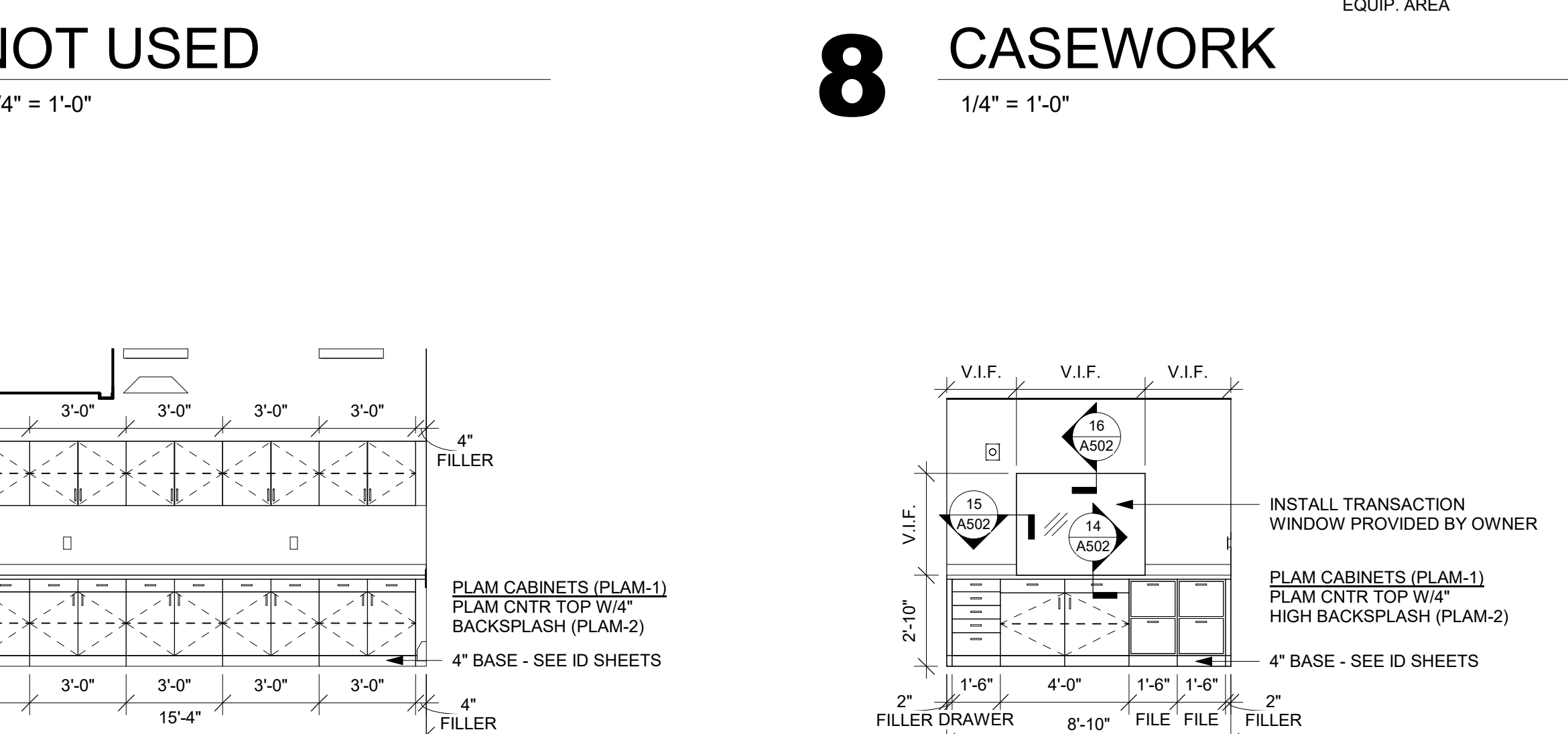
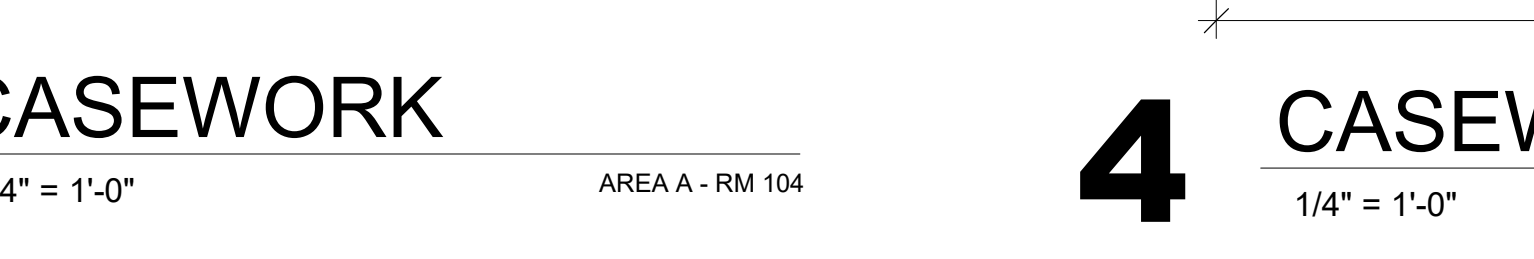
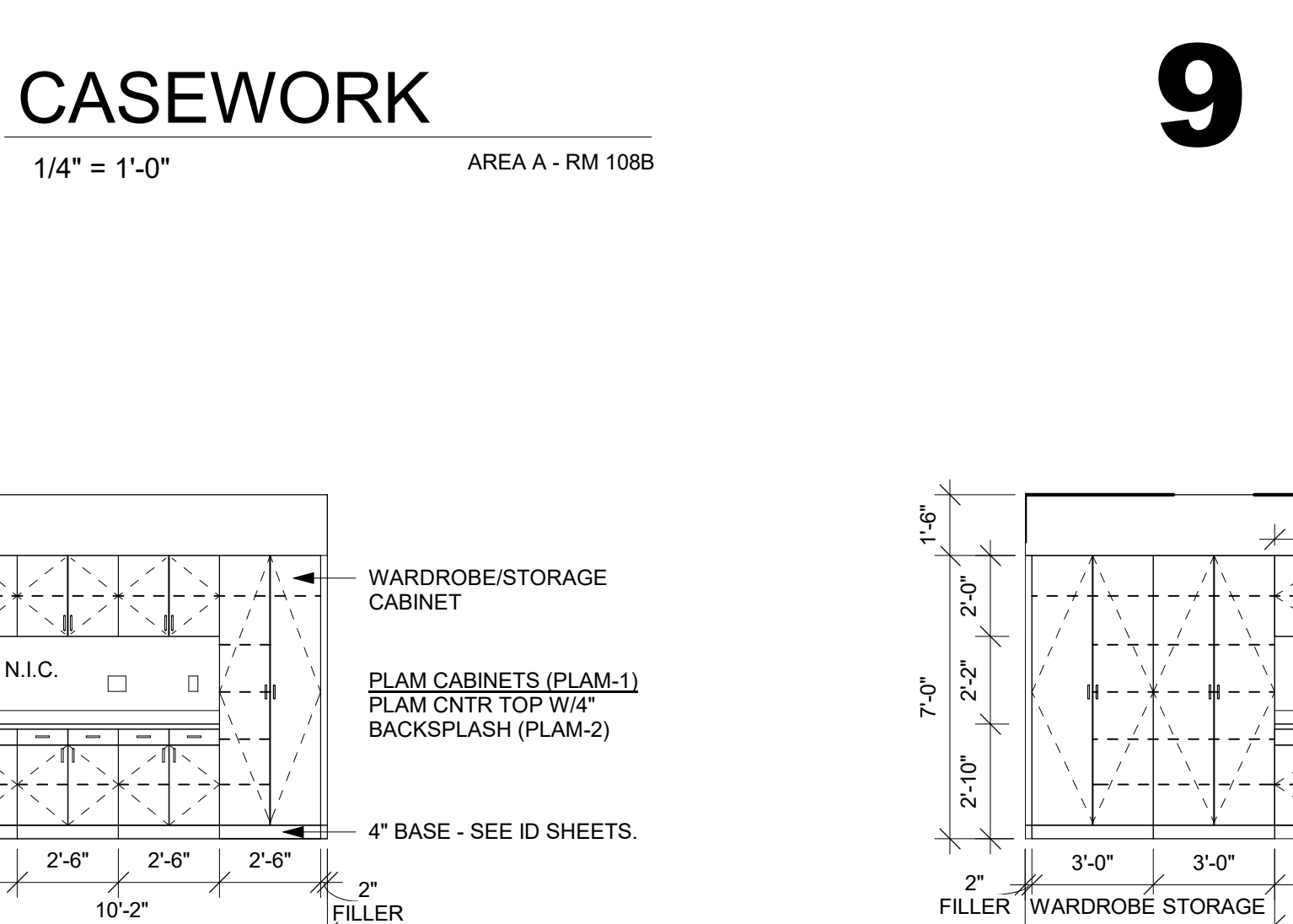
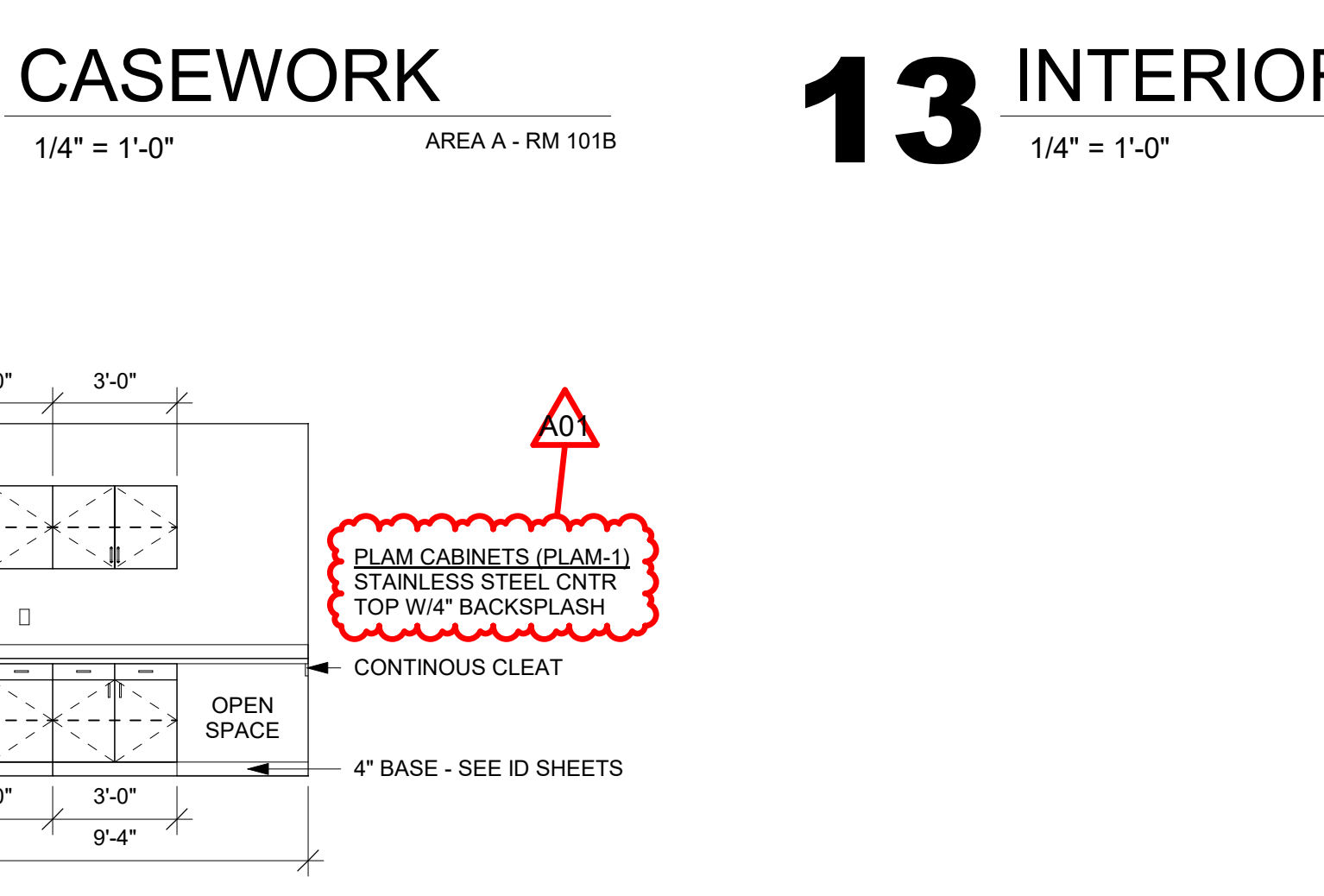
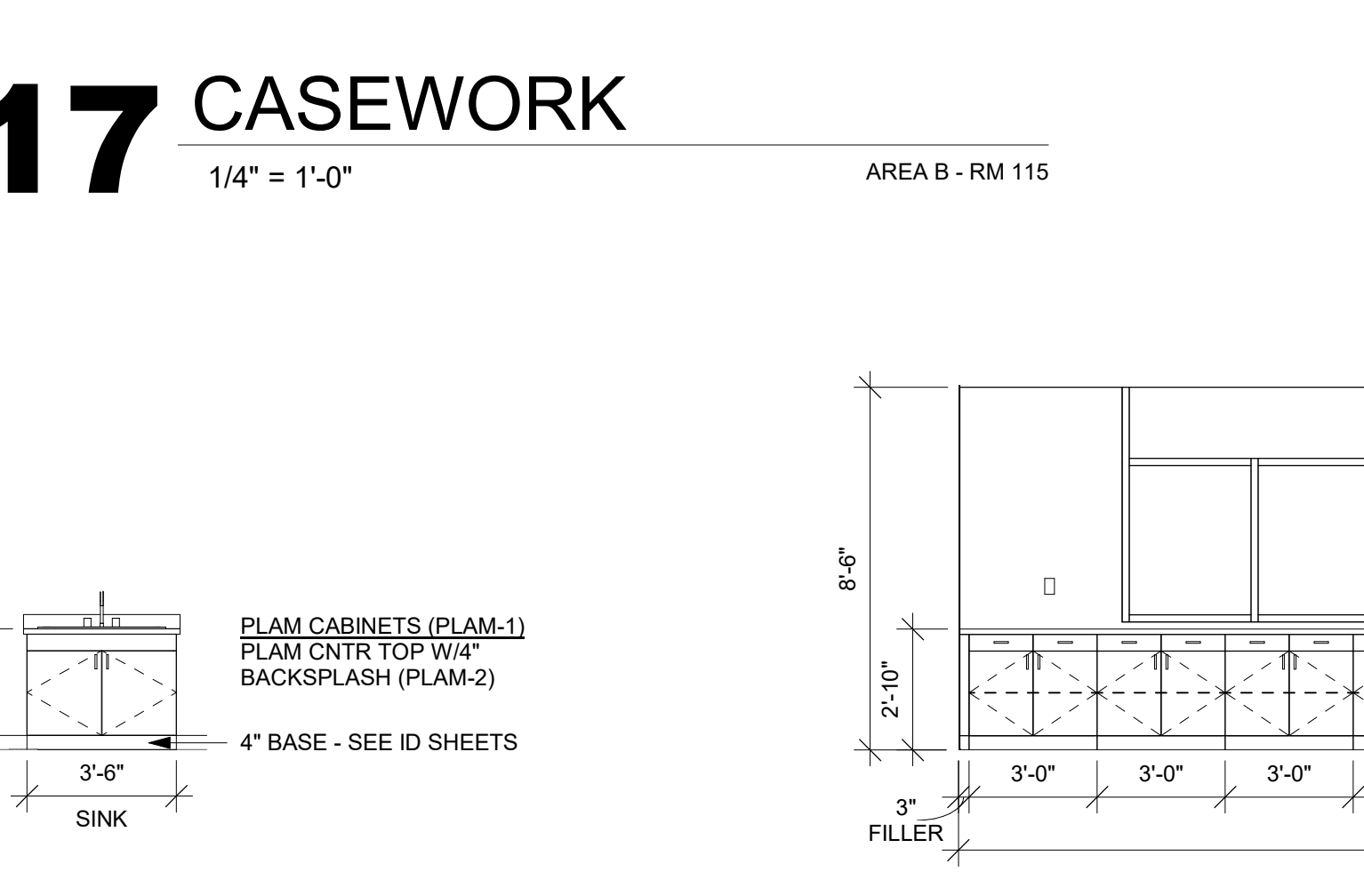
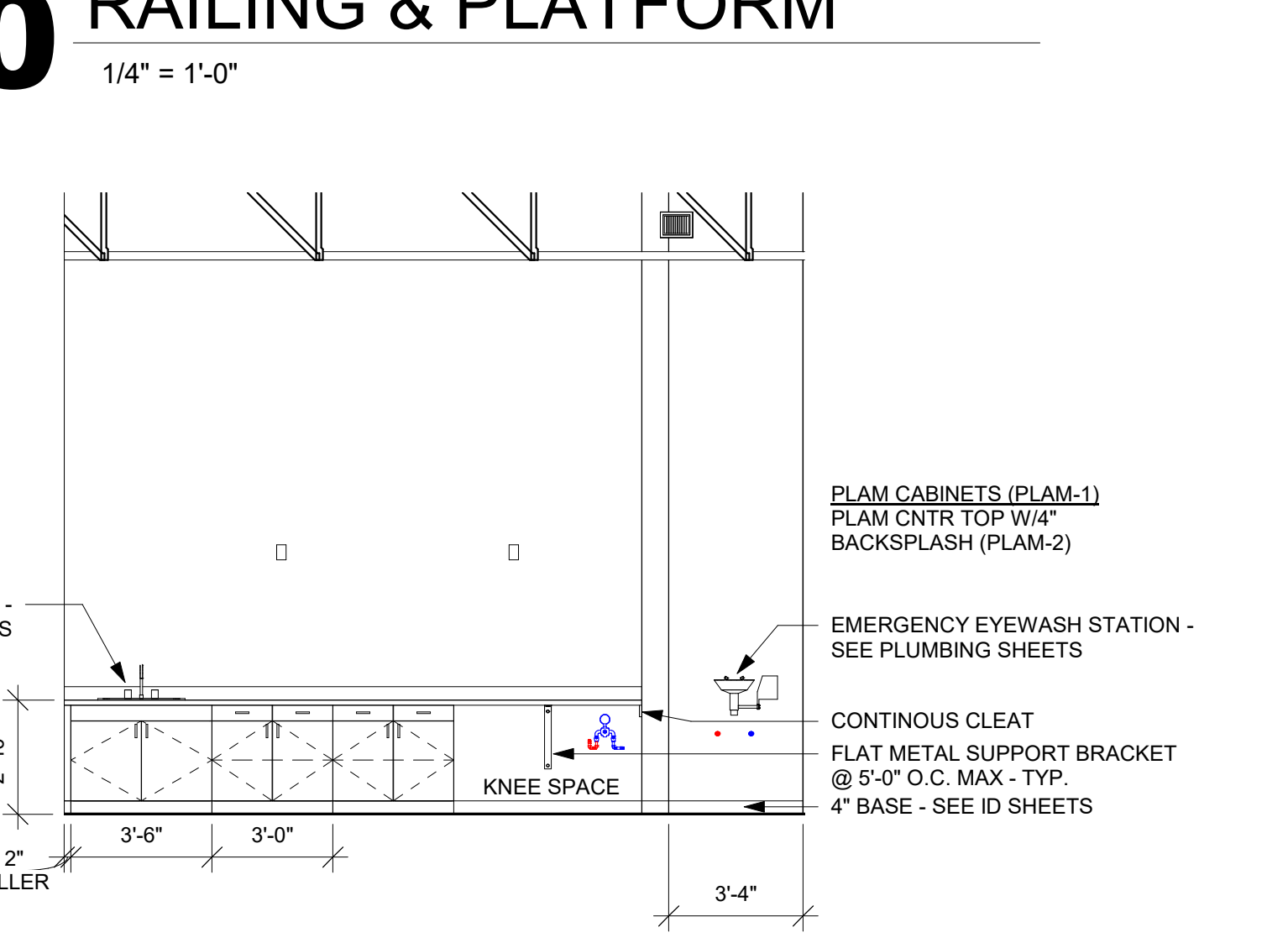
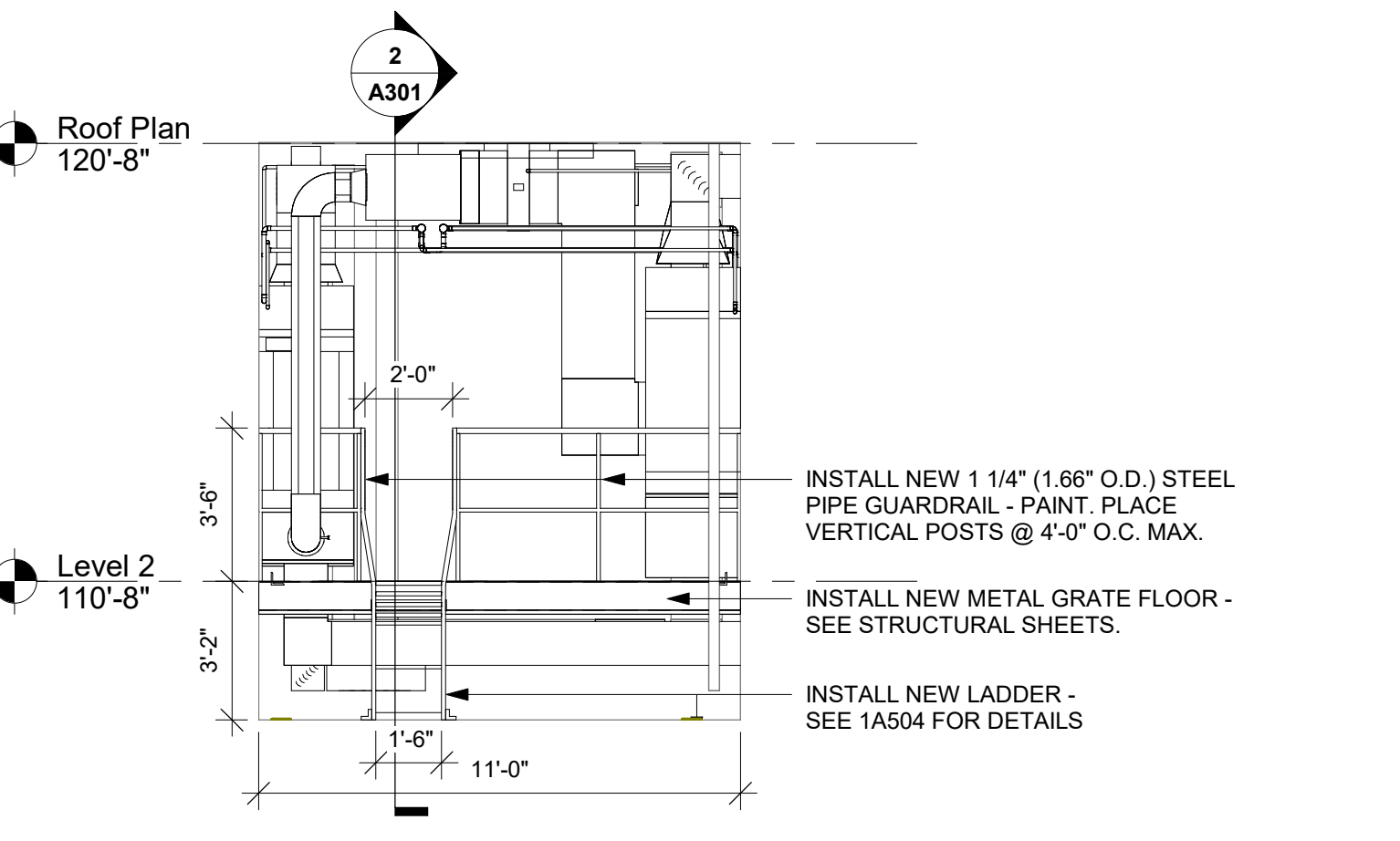
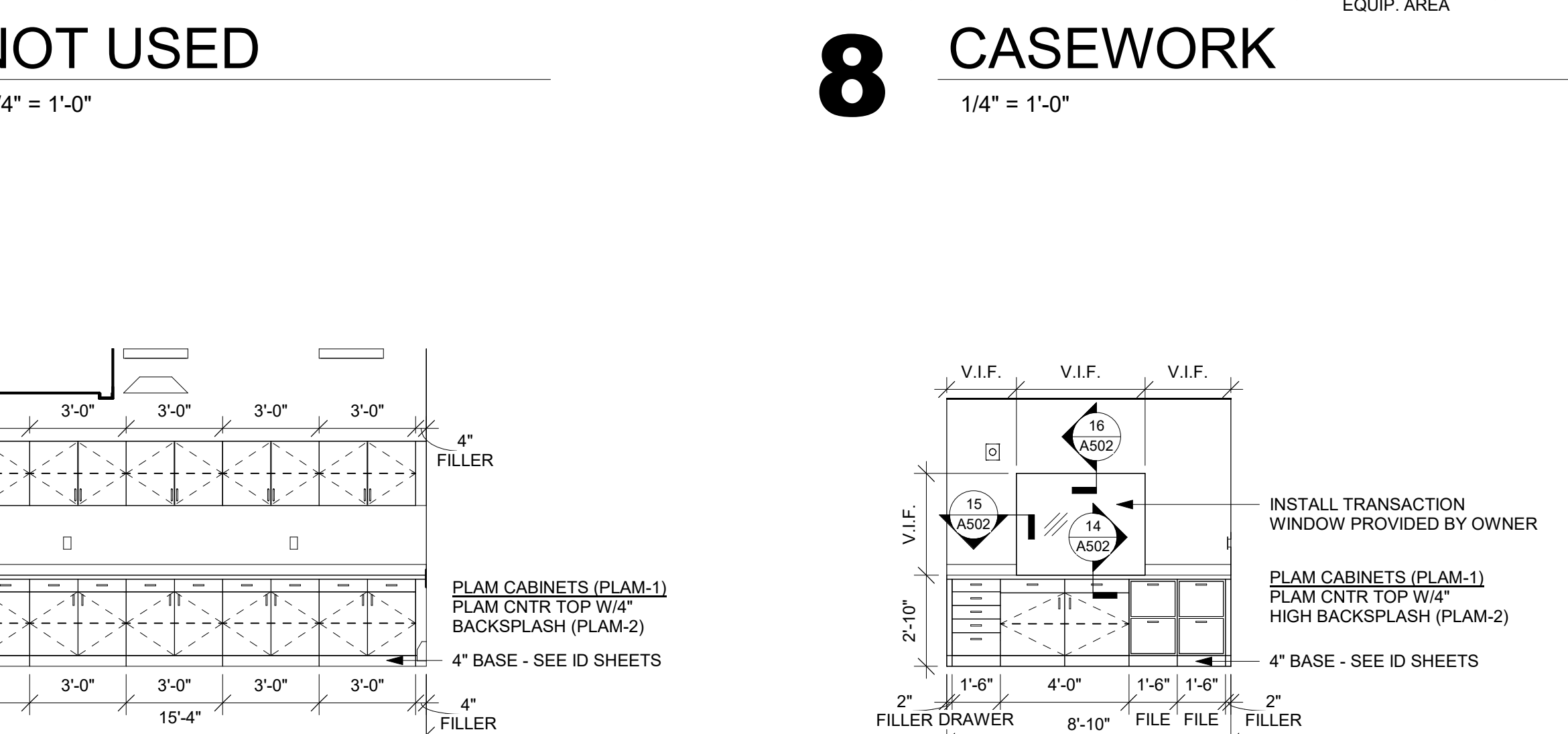
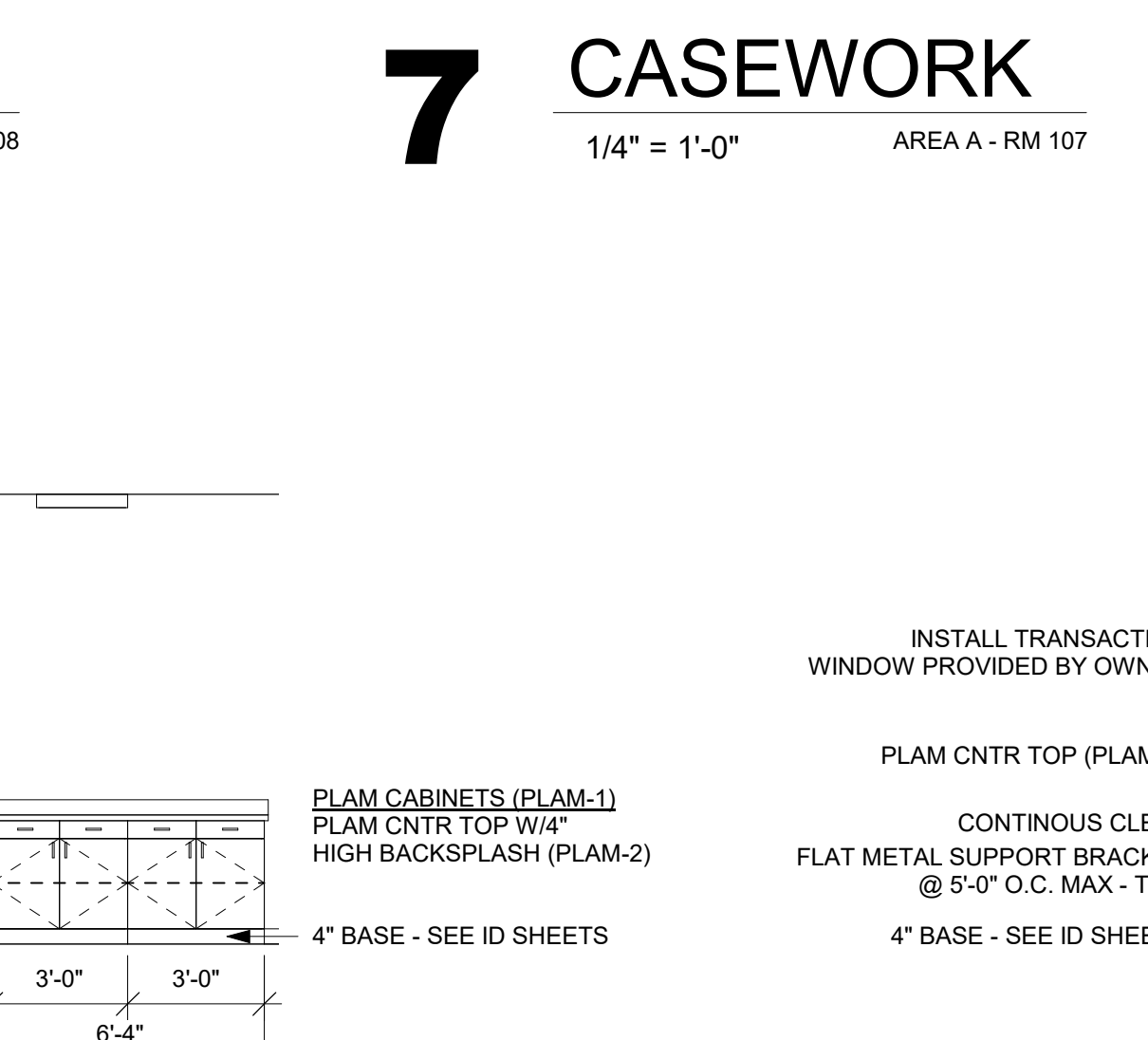
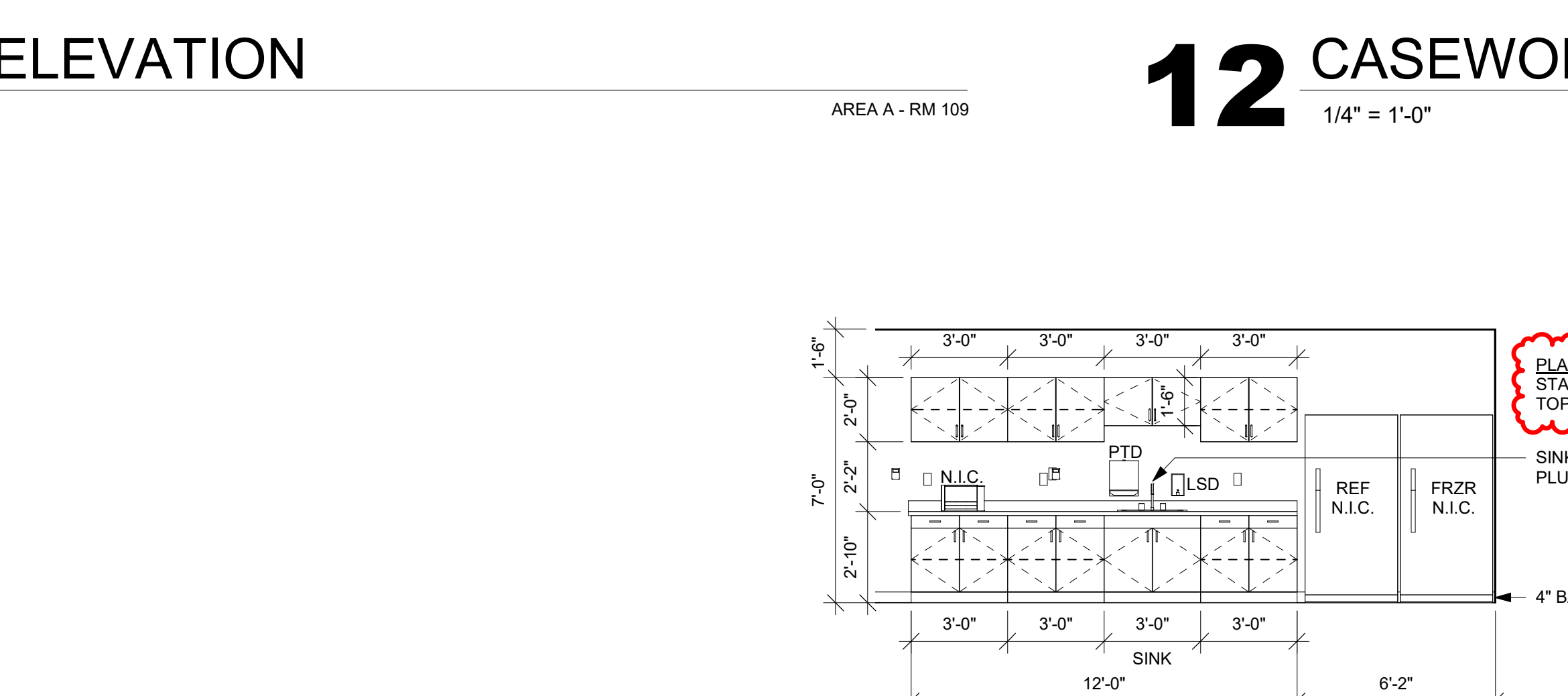
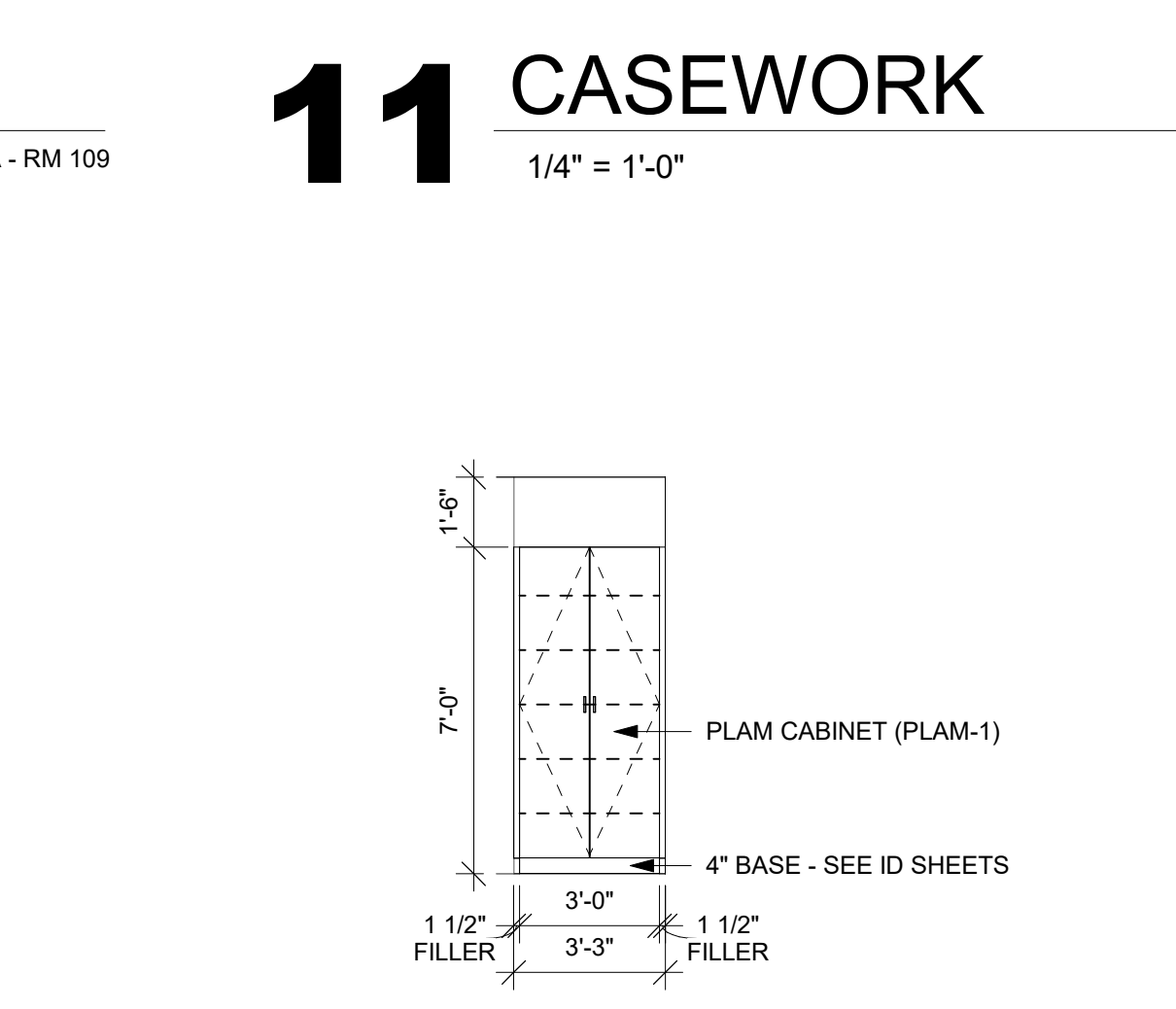
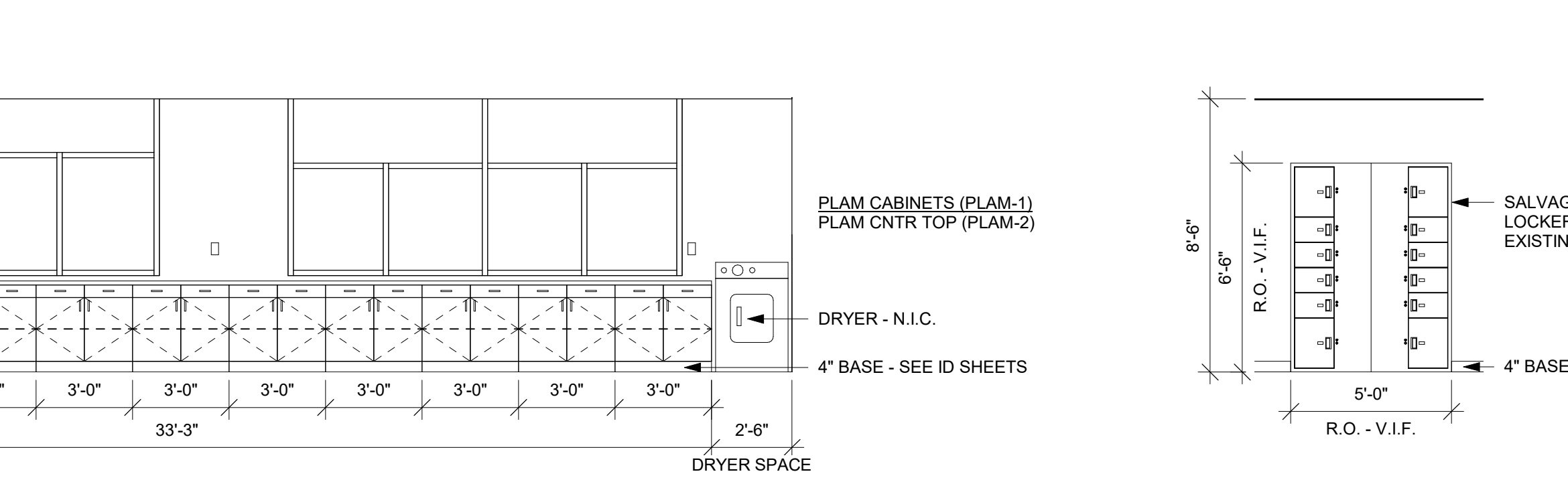
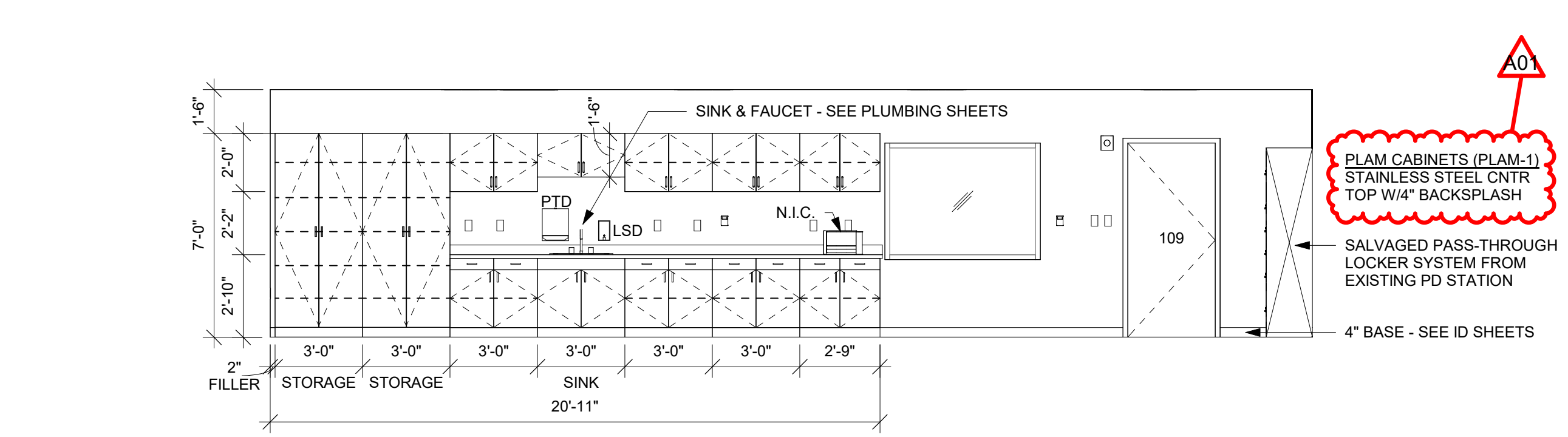
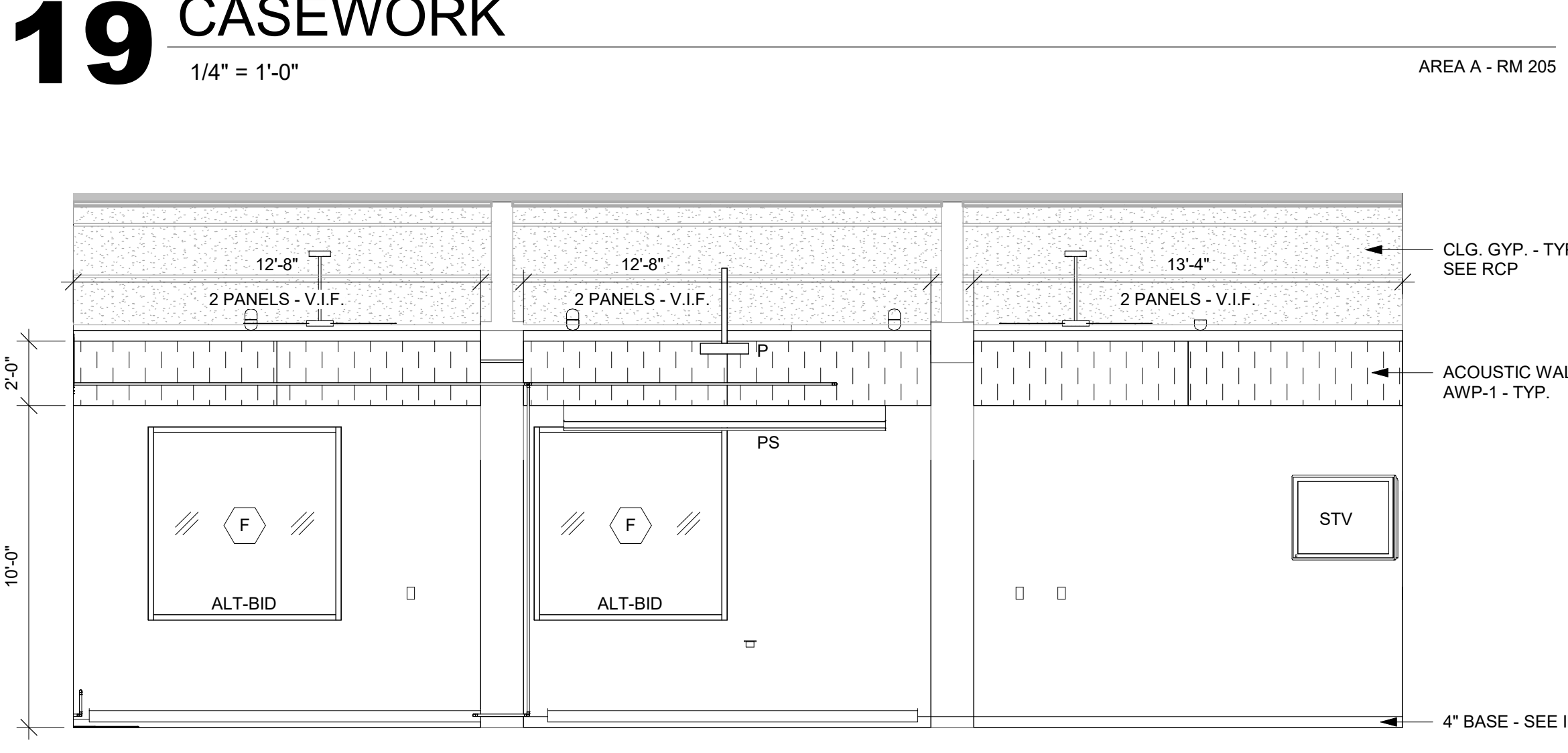
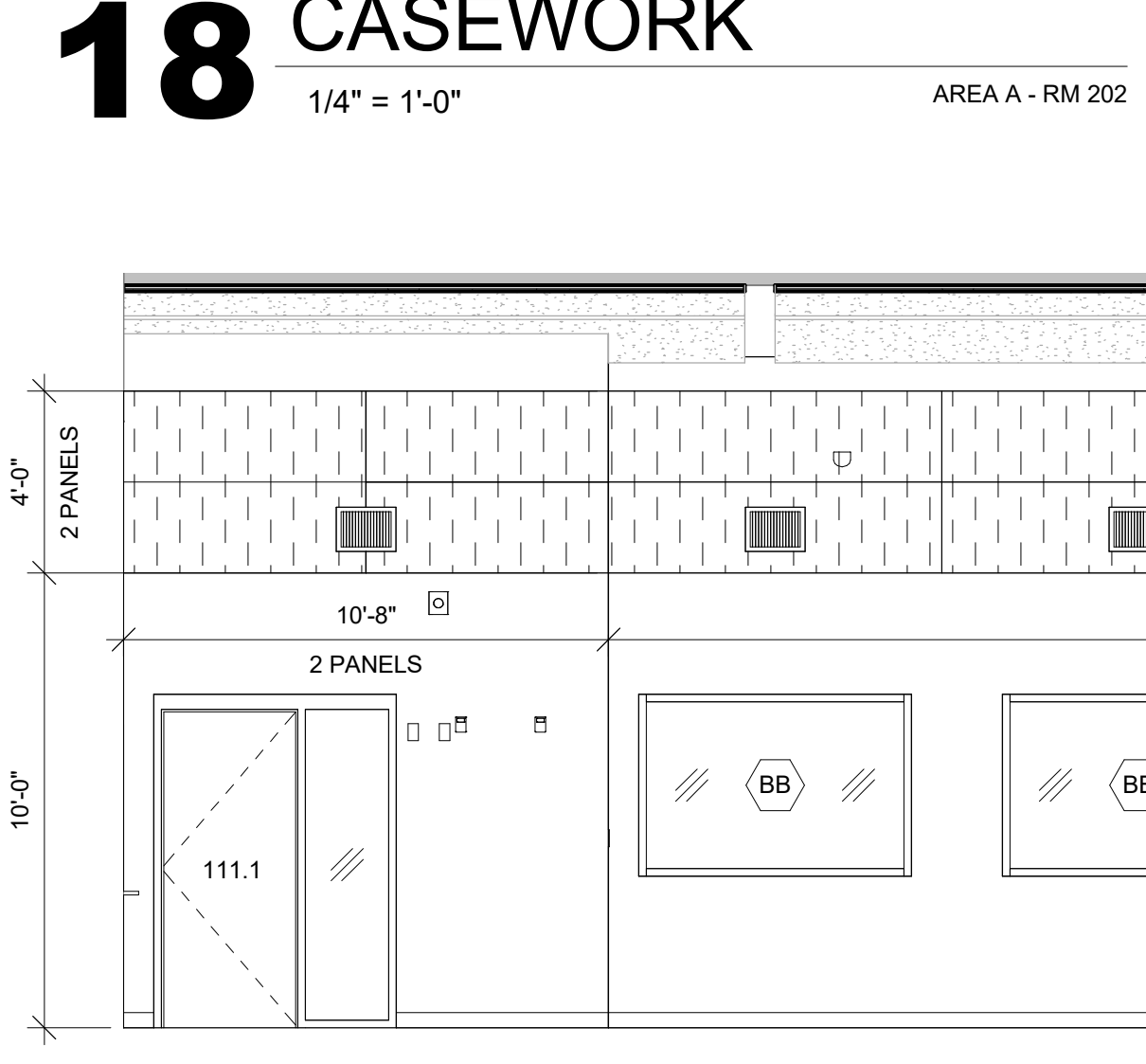
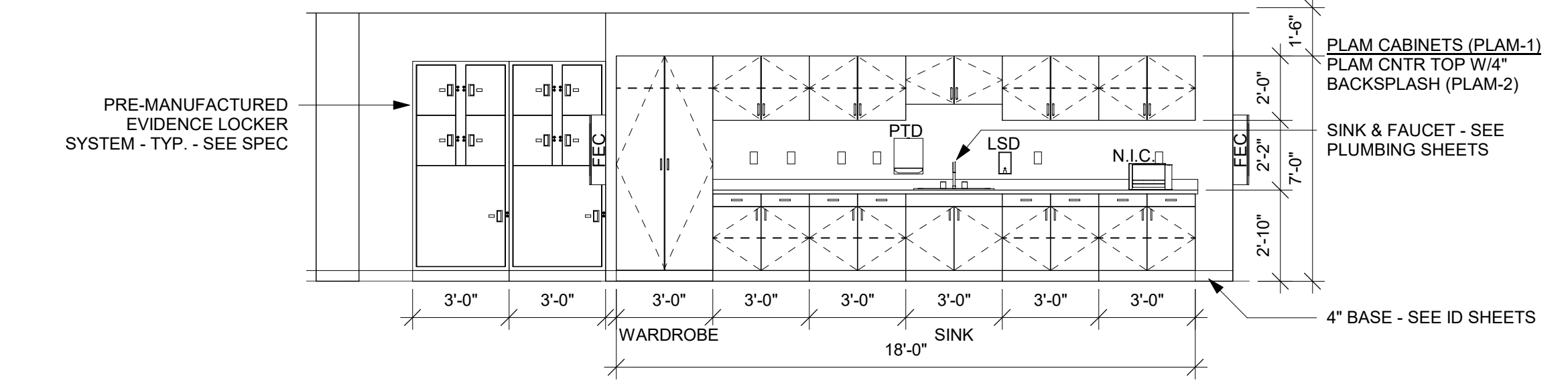
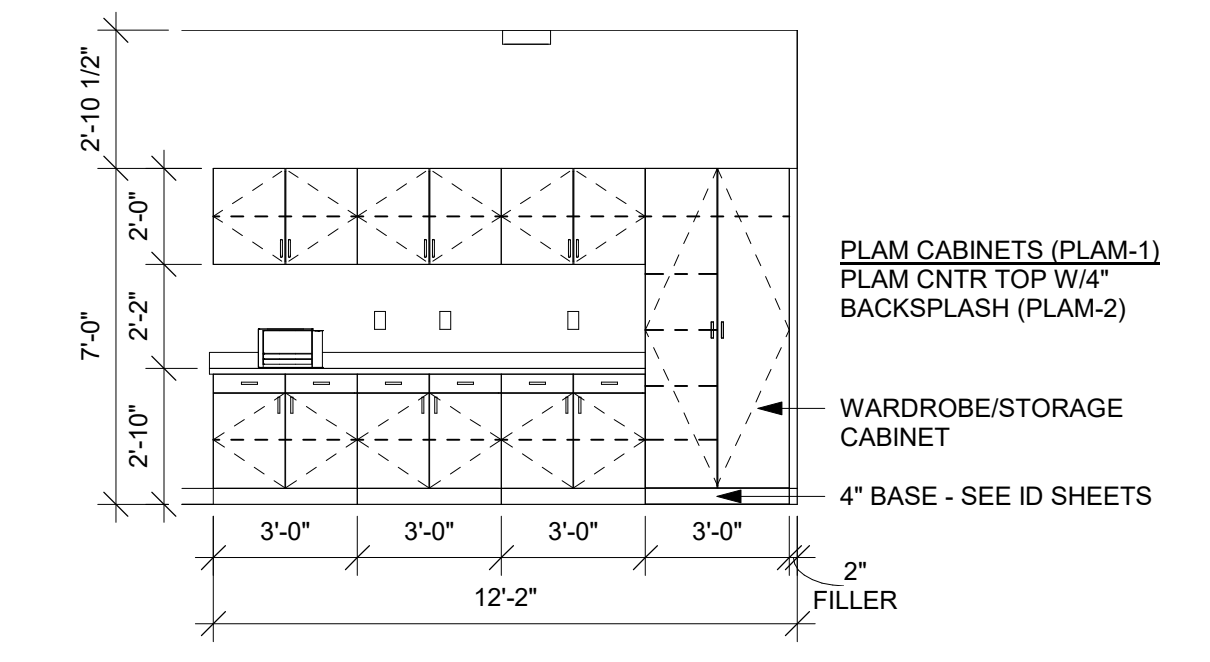


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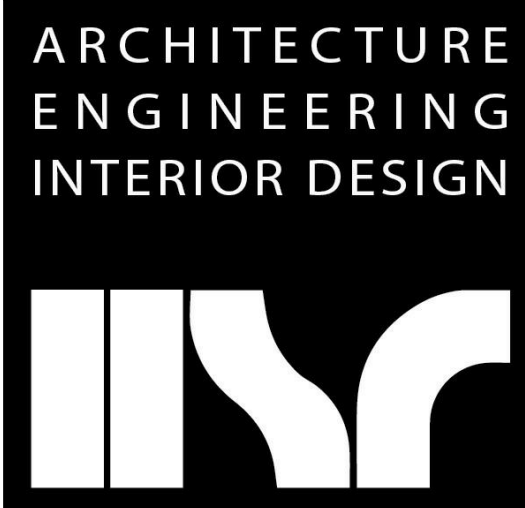
No.	Description	Date
A01	ADDENDUM 1	9-1-20

CASEWORK GENERAL NOTES:

- WHERE LOCKS ARE CALLED OUT, ALL TO BE KEYPED ALIKE
- PROVIDE FINISHED END PANELS AT ALL KNEE SPACES, ALCOVES AND EXPOSED CABINET ENDS.
- CASEWORK MANUFACTURER TO FIELD VERIFY ALL CASEWORK DIMENSIONS & CONDITIONS PRIOR TO FABRICATIONS OF CASEWORK.
- ALL BASE CABINET KICKS, ALCOVES, KNEE SPACES AND END PANELS TO RECEIVE BASE UNLESS OTHERWISE NOTED. SEE MASTER COLOR SCHEDULE FOR SIZES AND COLOR.
- SEAL EDGE OF COUNTERTOP BACKSPASH TO ALL WALL LOCATIONS W/ CLEAR SEALANT.
- INSTALL 1 1/2" WOOD BLOCKING BETWEEN STUDS FOR CASEWORK MOUNTING AT TOP AND BOTTOM OF ALL WALL CABINETS AND AT THE TOP OF ALL BASE CABINETS.
- REFER TO MASTER COLOR SCHEDULE ON ID600 FOR PLASTIC LAMINATE SELECTIONS.
- ALL BASE CABINETS SHALL BE 24" DEEP AND WALL CABINETS SHALL BE 18" DEEP UNLESS NOTED OTHERWISE. COUNTERTOPS TO EXTEND 1" BEYOND THE FINISHED EDGE OF THE BASE CABINET UNLESS NOTED OTHERWISE.
- LAMINATE GRAIN TO ALIGN VERTICALLY ON ALL CASEWORK.
- AT ALL TALL CABINETS, INSTALL MAGNETIC CATCHES, TOP AND BOTTOM AT EACH DOOR. CABINETS WITH LOCKS SHALL ALSO HAVE AN ELBOW LATCH INSTALLED AT A CENTER FIXED SHELF. ALL OTHER SHELVES SHALL BE ADJUSTABLE.
- COORDINATE GROMMET LOCATIONS WITH POWER AND DATA LOCATIONS.
- REFERENCE SHEET A101 FOR EQUIPMENT SCHEDULE & A400 FOR ACCESSORY SCHEDULE.



MASTER COLOR SCHEDULE												
MANUFACTURER / COLOR			GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR			GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR		
06 41 00 CUSTOM CABINETS				09 65 00 RESILIENT FLOORING/BASE				09 90 00 PAINTS AND COATINGS				
PLAM-1 (Plastic Laminate)	Manufacturer: Formica Color: Neutral Twill Finish: Matte Finish	Casework	Comparable Products... Prior Approval	LVT-1 (Luxury Vinyl Tile)	Manufacturer: Mohawk Group Collection: Hot & Heavy - Secoya Color: Atwell Mill Size: 9"x9" Thickness: 5mm Wear Layer: 20 mil Install: Staggered	Herringbone in Multipurpose...	Comparable Products... Prior Approval	PNT-1 (Paint)	Manufacturer: Benjamin Moore Color: Bone Black Color Code: CW-715	Field Paint Epoxy paint in restrooms	*Or Equal	
PLAM-2	Manufacturer: Pionite Color: Meteoric Metallo Finish: Textured/Suede	Countertops	Comparable Products... Prior Approval	VWB-1 (Vinyl Wall Base)	Manufacturer: Johnsonite Size: 4" Color: Charcoal 20		Comparable Products... Prior Approval	PNT-2	Manufacturer: PPG Color: Admiralty Color Code: 1042-7	Accent Paint	*Or Equal	
06 61 00 SIMULATED STONE...				09 65 66 RESILIENT ATHLETIC FLOORING				10 21 13 TOILET COMPARTMENTS				
SS-1 (Solid Surface)	Manufacturer: Staron Color: Reno	Window Sills	Comparable Products... Prior Approval	RAF-1 (Resilient Athletic Flooring)	Manufacturer: Ecore Collection: Beast Product: Roll Color: Grippin Gray 20 (E846) Size: 48" x 25" Thickness: 10.5mm (2.5mm + 8mm)	Fitness 114	Comparable Products... Prior Approval	PNT-3	Manufacturer: Sherwin Williams Color: Peppercorn Color Code: 7674	Hollow Metal Window and Door...	*Or Equal	
09 30 00 TILE				09 68 50 CARPETING				10 26 01 WALL AND DOOR PROTECTION				
TLE-1 (Tile)	Manufacturer: Ceramic Tileworks Product: Epoque Color: Brown Size: 6"x9" Installation: See ID103	Restroom Floor Tile Tile Base	Comparable Products... Prior Approval	CPT-1 (Carpet Tile)	Manufacturer: Shaw Contract Style Name: Support Tile Color Name: Interaction Construction: Multi-level pattern cut/loop Size: 12"x48" Installation: Brick	In rooms with CPT-1 + CPT-2 50% CPT-1 + 50% CPT-2 Randomly and evenly...	Comparable Products... Prior Approval	TP-1 (Toilet Partition)	Manufacturer: Scranton Product: Plastic Toilet Partitions Color: Bronze Finish: Hammered	Toilet Partitions	Comparable... by Approval	
TLE-2	Manufacturer: VirginiaTile Product: Crossville - Notorious Color: Femme Fatale Size: 12x24 Installation: See Tile Elevations on ID103	Restroom Wall Tile	Comparable Products... Prior Approval	CPT-2	Manufacturer: Shaw Contract Style Name: Convene Tile Color Name: Clear Interaction Construction: Multi-level pattern loop Size: 12"x48" Installation: Brick	In rooms with CPT-1 + CPT-2 50% CPT-1 + 50% CPT-2 Randomly and evenly...	Comparable Products... Prior Approval	CG-1 (Corner Guards)	Manufacturer: InPro Product: Corner Guard 160 Color: TBD Size: 4" high, 2" wing	See ID sheets Install on top of wall base	Comparable... by Approval	
TT-1 (Tile Trim)	Manufacturer: Schluter Systems Product: Edge-protection and transition profiles Style: Varies depending on location, see ID... Finish: ABGB Brushed Antique Bronze		Comparable Products... Prior Approval	WCPT-1 (Walk Off Carpet)	Manufacturer: Shaw Style Name: All Access - Portal Tile Color Name: Lava Construction: Multi-level pattern loop Size: 24"x24" Backing: Synthetic; ecoworx tile Installation: Monolithic	Vestibules Garage	Comparable Products... Prior Approval	EW-1 (End Wall)	Manufacturer: InPro Product: Surface Mount End Wall... Color: Stainless Steel Size: 9" high, 2" wing	See ID sheets Install on top of wall base	Comparable... by Approval	
TT-2	Manufacturer: Schluter Systems Product: Cove Shaped Profile Style: DILEX-AHKA Finish: TSB Beige		Comparable Products... Prior Approval	09 84 30 ABSORBING WALL AND CEILING UNITS				12 24 00 WINDOW SHADES				
TT-3	Manufacturer: Schluter Systems Product: Finishing and Edge Protection Style: Jolly Finish: TSB Beige		Comparable Products... Prior Approval	AWP-1 (Acoustical Wall Panel)	Manufacturer: Basis of Design Core: 2" Size: See A210 for sizes FABRIC Manufacturer: Guilford of Maine Style: Anchorage Color: To be Selected by A/E	Multipurpose Room	Comparable Products... Prior Approval	WS-1 (Window Shades)	Manufacturer: MechoShade Product: EuroTwill Color: Selected by A/E Style: 3% Openness Fascia: TBD	See ID sheets	Comparable... by Approval	
								WS-2	Manufacturer: MechoShade Product: EuroTwill Color: Selected by A/E Style: 1% Openness Fascia: TBD	See ID sheets	Comparable... by Approval	



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Consultant:

Project Title: SPARTA POLICE STATION LAKEVIEW
Project Location: 711 PINE STREET SPARTA, WI 54656
Project Number: 19042
Project Date: 8.20.2020
Drawn By: SB
Key Plan:

BID DOCUMENTS

No.	Description	Date
A01	ADDENDUM 1	9-1-20

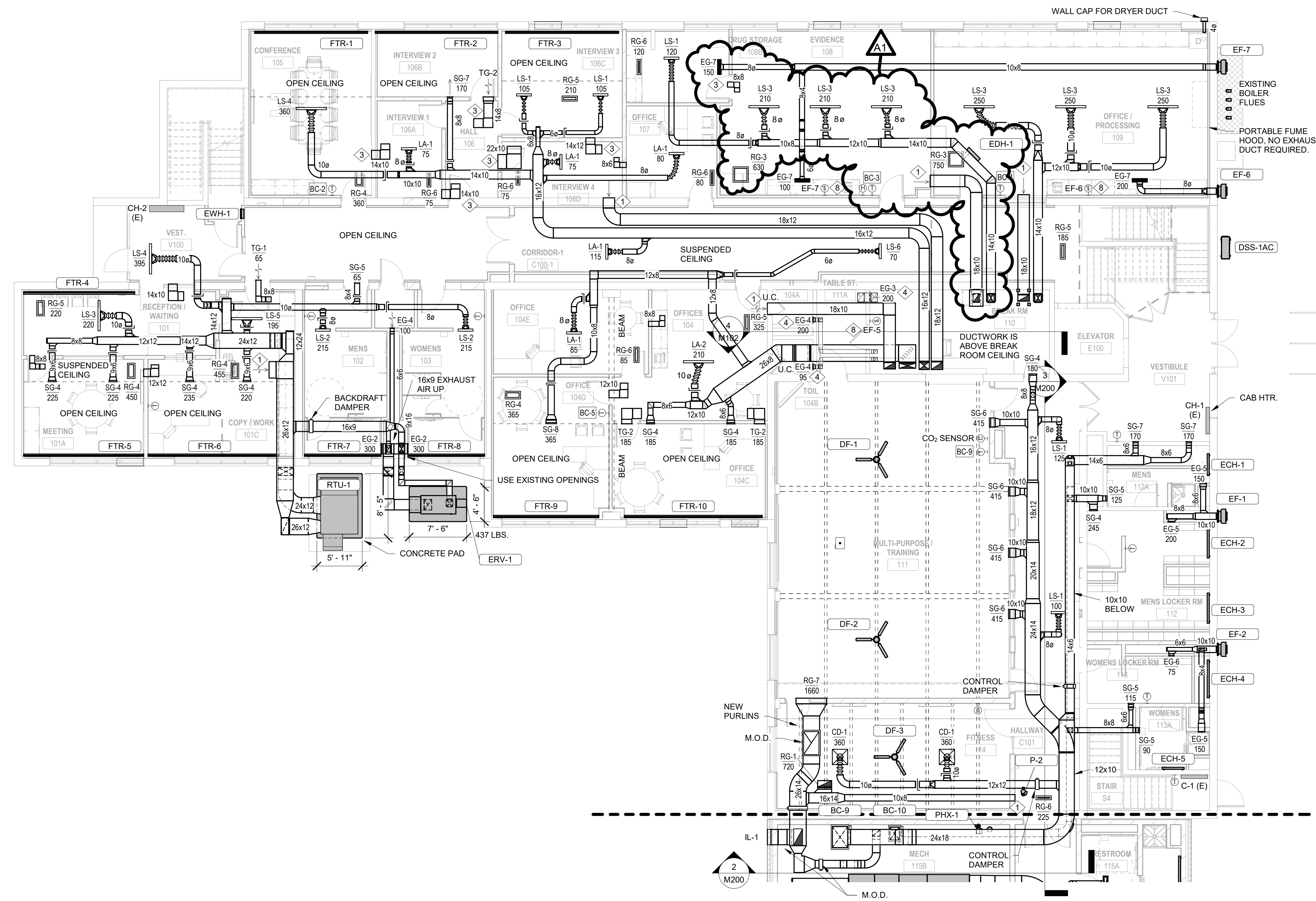
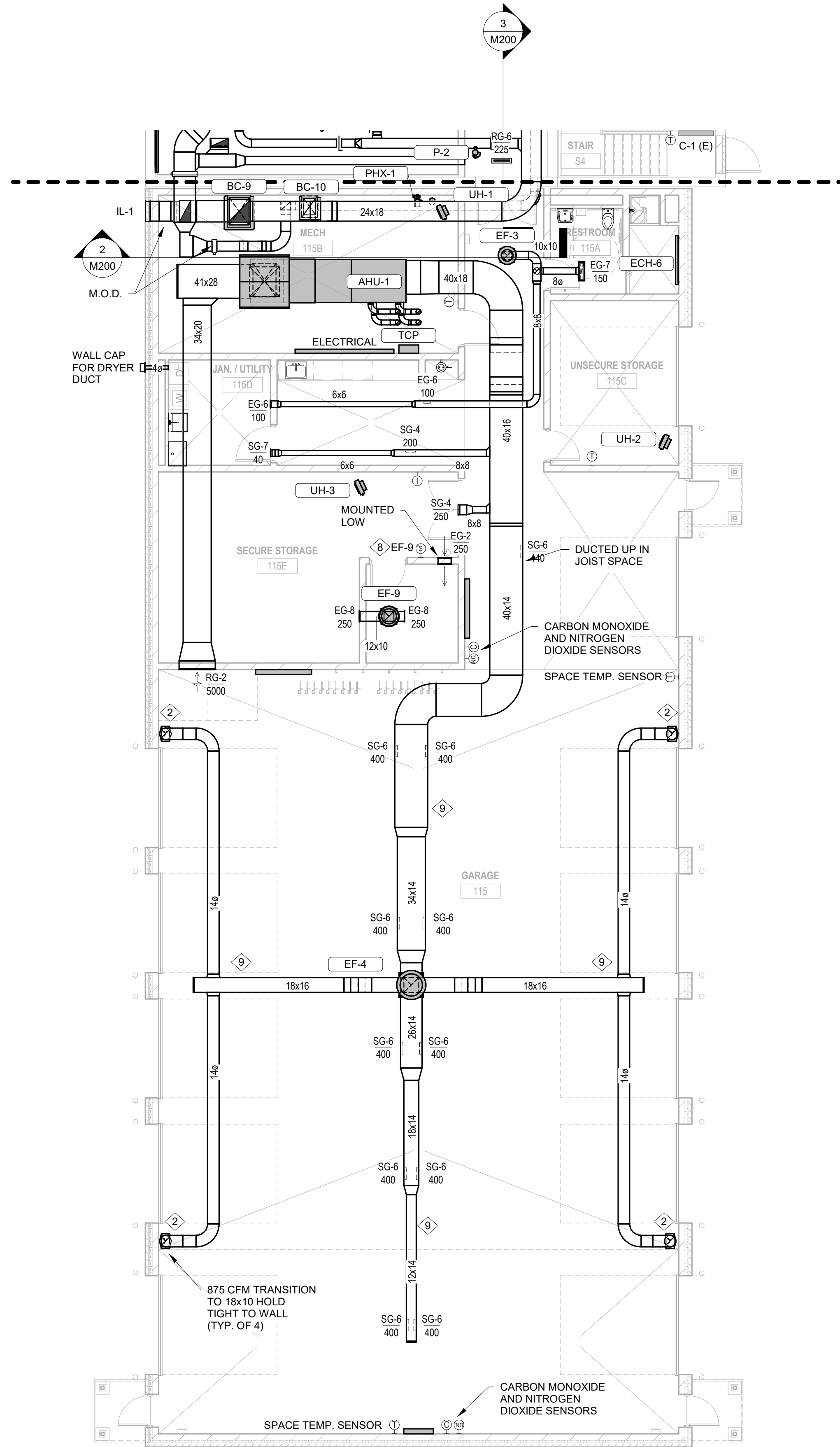
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ID600



Consultant:

KEYNOTES - REMODEL		
Keynote Number	Keynote Description	Sheet Number
1	OPEN RETURN WITH 1/2" HARDWARE CLOTH COVERING OPENING.	
2	OPEN END EXHAUST WITHIN 18" OF FLOOR, WITH 1/2" HARDWARE CLOTH COVERING OPENING.	
3	AIR TRANSFER DUCT ABOVE CEILING.	
4	NEW GRILLE TO REPLACE EXISTING.	
5	PVC JACKET TO COVER EXPOSED PIPING IN OCCUPIED SPACE.	
6	EXTEND COIL CONDENSATE TO DRAIN.	
7	EXTEND COIL CONDENSATE THROUGH WALL.	
8	SWITCH FOR EXHAUST FAN.	
9	EXPOSED DUCTWORK SHALL BE MADE OF "PAINT GRIP" MATERIAL AND DEGREASED. SEE SPECIFICATIONS SECTION 23 31 00 PARAGRAPH 2.08 EXPOSED DUCTWORK.	



NORTH
2 FIRST FLOOR - DUCTWORK REMODEL
1/8" = 1'-0"

NORTH
1 FIRST FLOOR - DUCTWORK REMODEL
1/8" = 1'-0"

Project Title: SPARTA POLICE STATION
LAKEVIEW

Project Location: 711 PINE STREET
SPARTA, WI 54656

Project Number: 19042
Project Date: 8.20.2020
Drawn By: SK/MB

Key Plan:

BID DOCUMENTS

No.	Description	Date
A1	Addendum #1	9/12/2020

Graphic Scale: VARIES

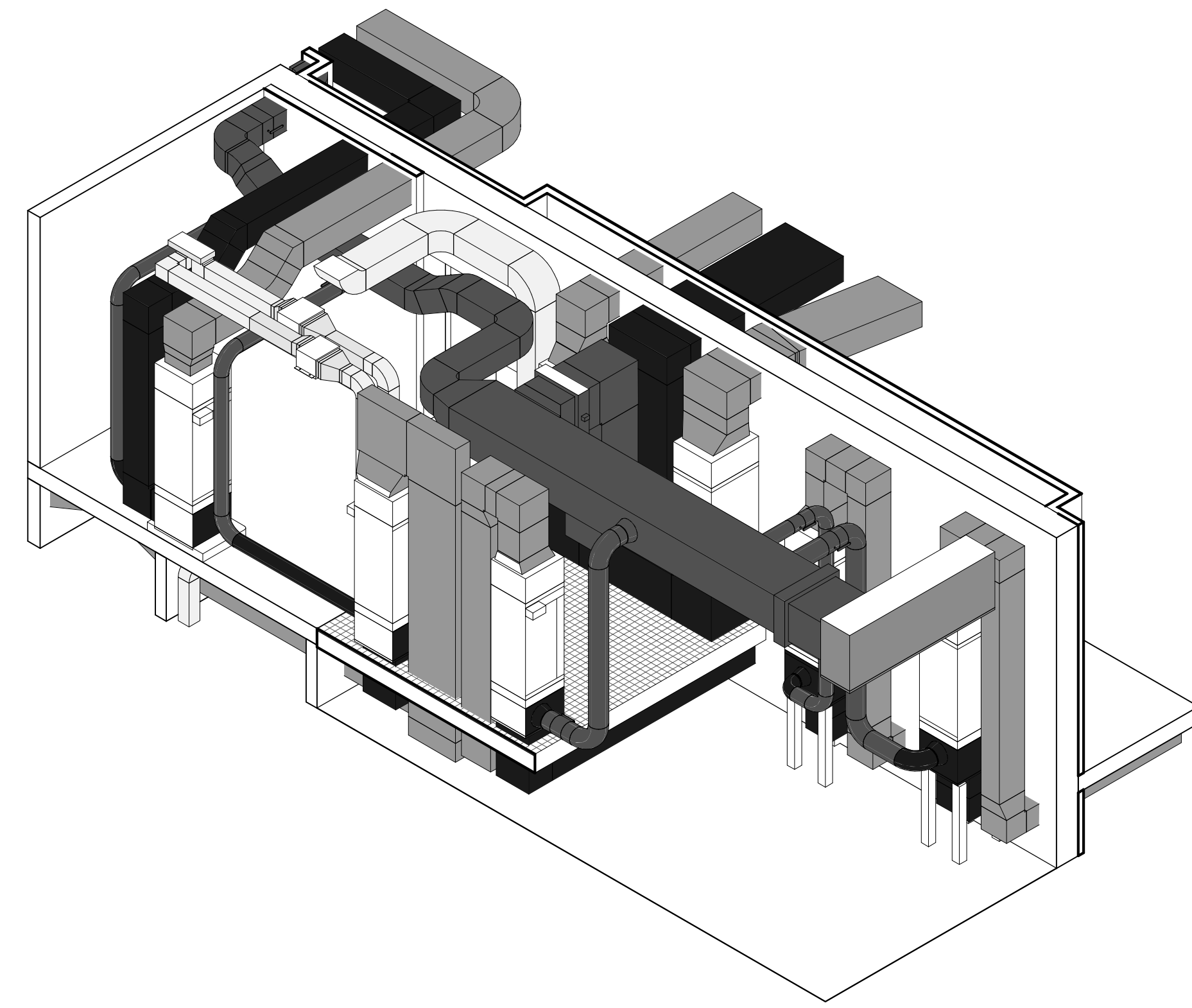
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M101

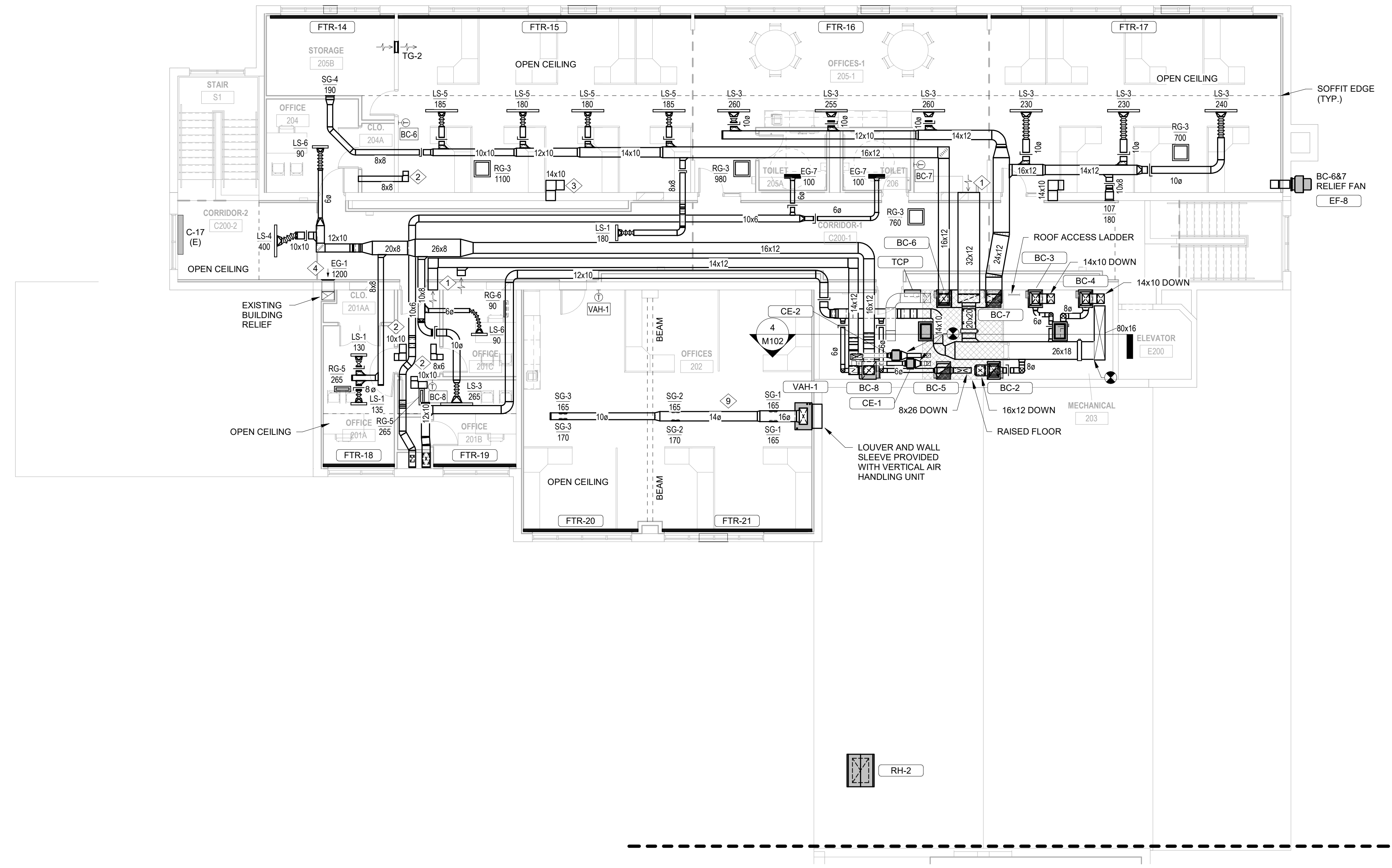


Consultant:

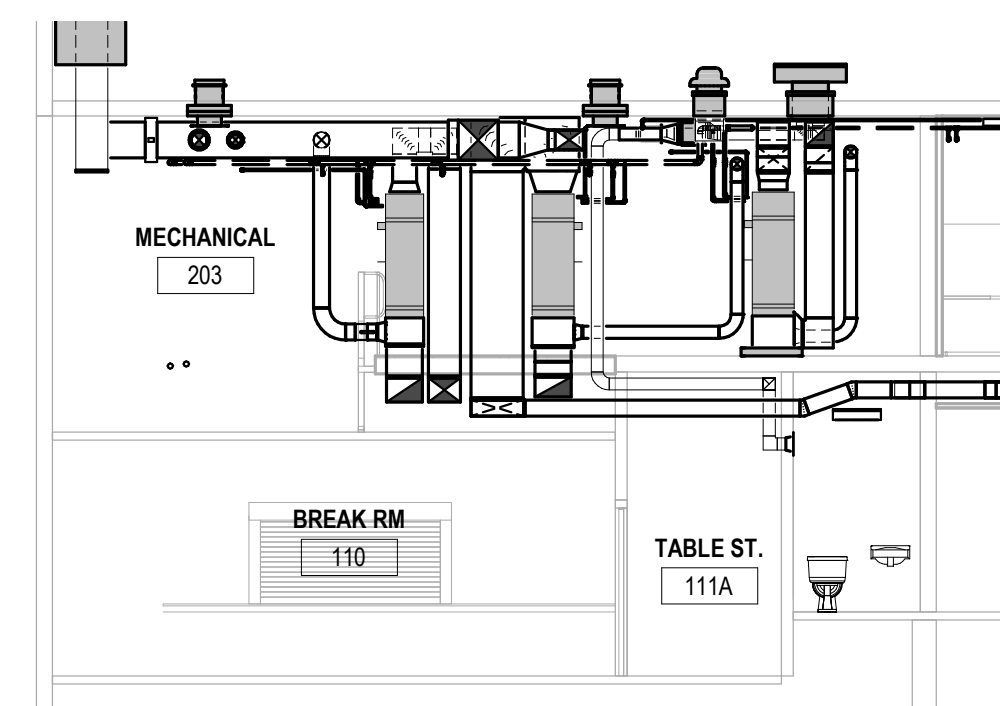
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2	OPEN END EXHAUST WITHIN 18" OF FLOOR, WITH 1/2" HARDWARE CLOTH COVERING OPENING.	
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7	EXTEND COIL CONDENSATE THROUGH WALL.	
8	SWITCH FOR EXHAUST FAN.	
9	EXPOSED DUCTWORK SHALL BE MADE OF "PAINTGRIP" MATERIAL AND DEGREASED. SEE SPECIFICATIONS SECTION 23 31 00 PARAGRAPH 2.08 EXPOSED DUCTWORK.	



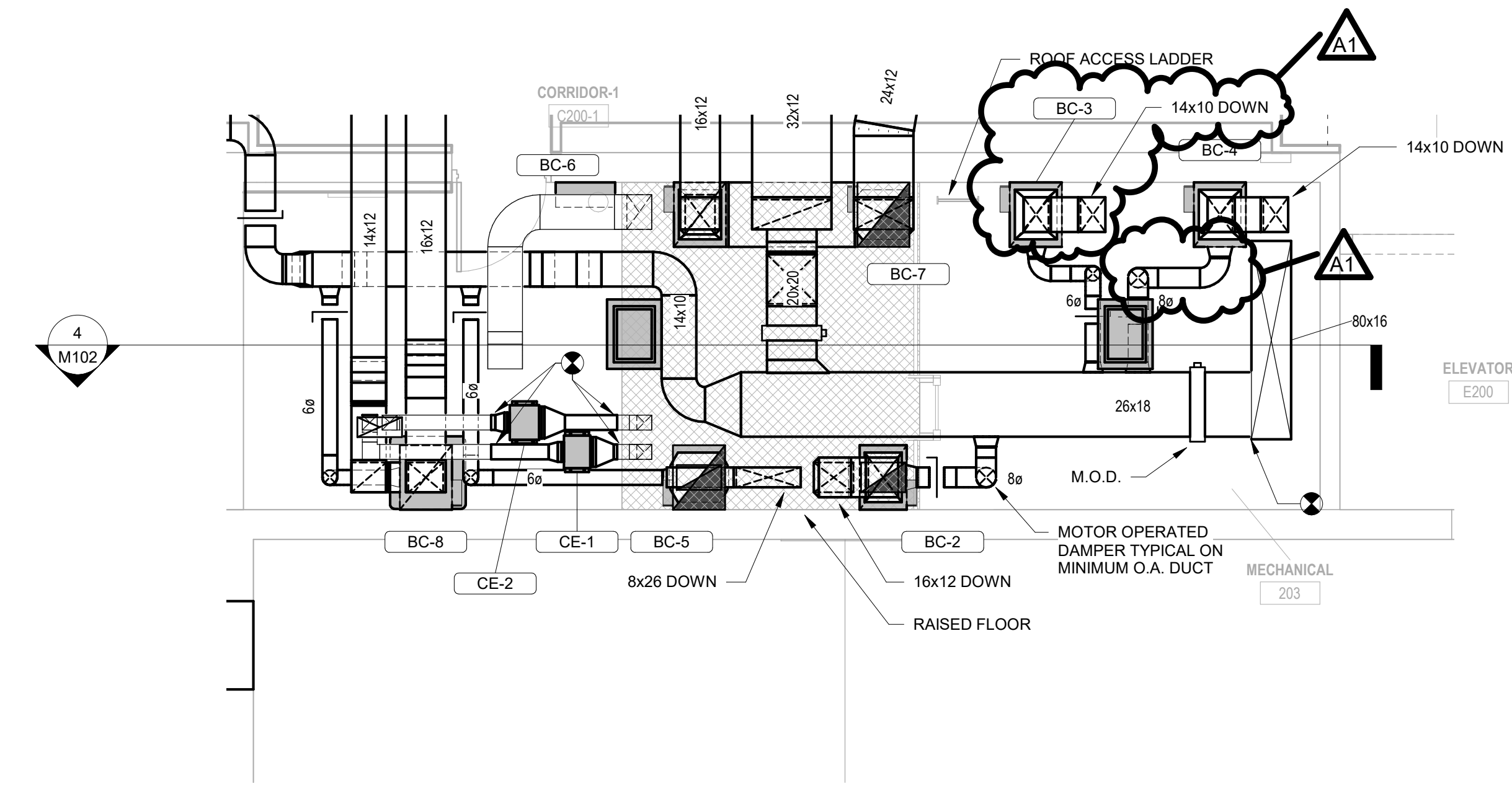
3 MECHANICAL ROOM 203 DUCTWORK



1 SECOND FLOOR - DUCTWORK REMODEL
1/8" = 1'-0"



4 MECHANICAL ROOM 203
1/8" = 1'-0"



2 MECHANICAL ROOM 203 - DUCTWORK
1/4" = 1'-0"

Project Title: **SPARTA POLICE STATION LAKEVIEW**
Project Location: 711 PINE STREET SPARTA, WI 54656
Sheet Title: **SECOND FLOOR DUCTWORK REMODEL**

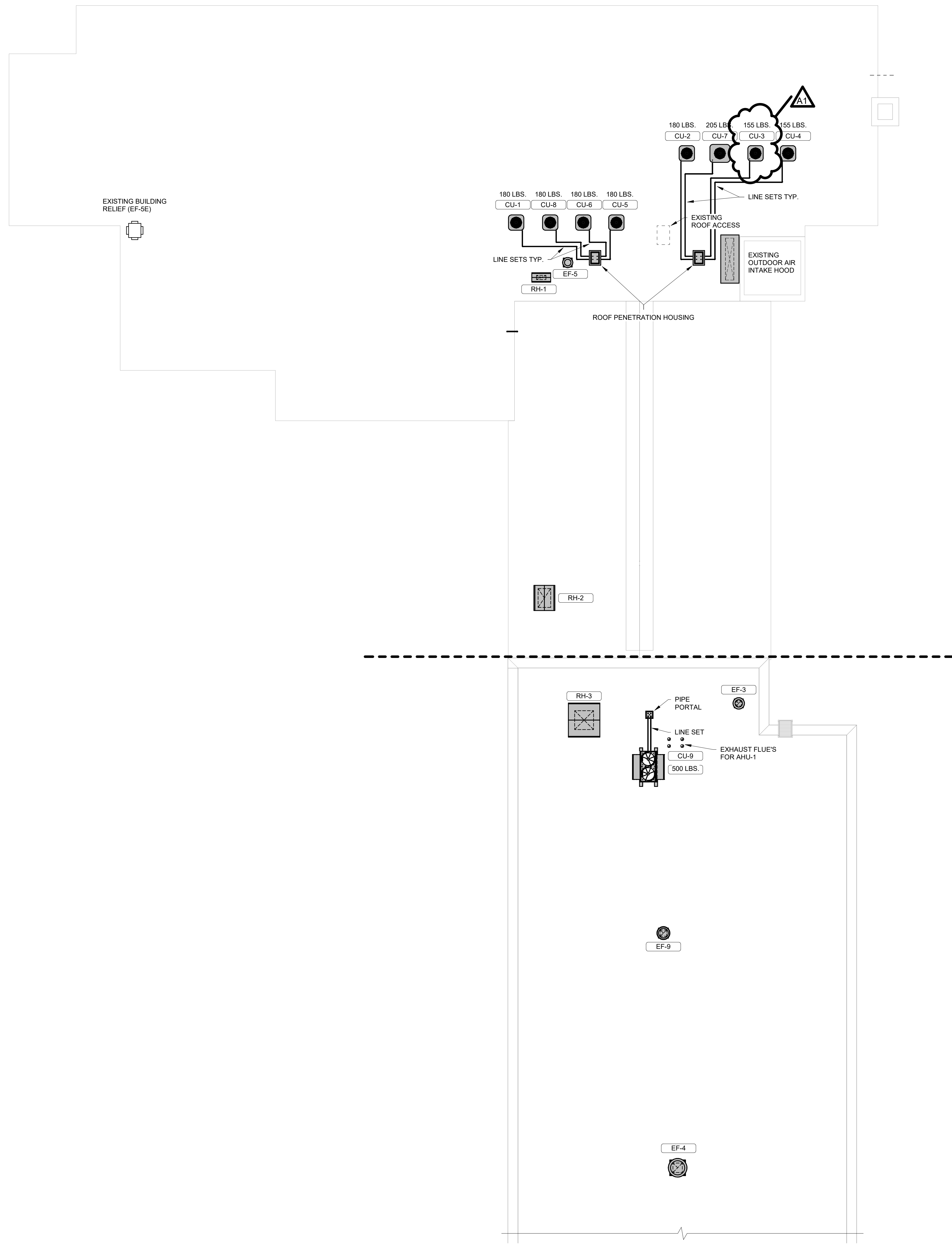
HSR Project Number: **19042**
Project Date: **8.20.2020**
Drawn By: **SK/MB**
Key Plan:

BID DOCUMENTS

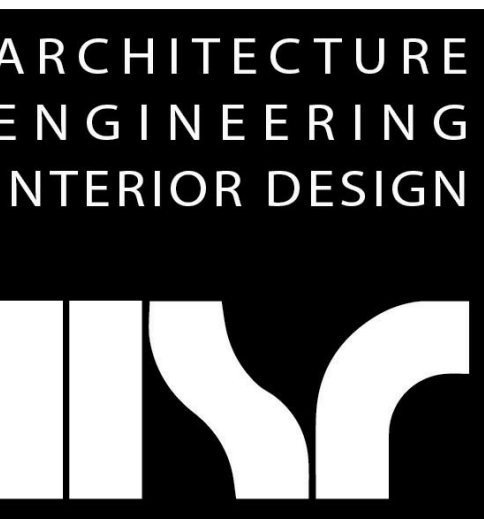
No.	Description	Date
A1	Addendum #1	9/1/2020

Graphic Scale: **VARIES**
Last Update: **9/1/2020 10:37:25 AM**

M102



KEYNOTES - REMODEL		
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2	OPEN END EXHAUST WITHIN 18" OF FLOOR, WITH 1/2" HARDWARE CLOTH COVERING OPENING.	
3	AIR TRANSFER DUCT ABOVE CEILING.	
4	NEW GRILLE TO REPLACE EXISTING.	
5	PVC JACKET TO COVER EXPOSED PIPING IN OCCUPIED SPACE.	
6	EXTEND COIL CONDENSATE TO DRAIN.	
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Consultant:

Project Title: **SPARTA POLICE STATION LAKEVIEW**
 Project Location: 711 PINE STREET SPARTA, WI 54656
 Sheet Title: **ROOF PLAN**

HSR Project Number: **19042**
 Project Date: **8.20.2020**
 Drawn By: **SK/MB**

Key Plan:

BID DOCUMENTS

No.	Description	Date
A1	Addendum #1	9/1/2020

Graphic Scale: **VARIES**
 Last Update: **9/1/2020 10:37:28 AM**

NORTH
1 **ROOF PLAN**
 1/8" = 1'-0"

M103



Consultant:

Project Title: **SPARTA POLICE STATION
LAKEVIEW**
Project Location: 711 PINE STREET
SPARTA, WI 54656
Sheet Title: **FIRST FLOOR & BASEMENT REMOVAL PLAN**

HSR Project Number: **19042**

Project Date: **AUGUST 2020**

Drawn By: **SMG**

Key Plan:

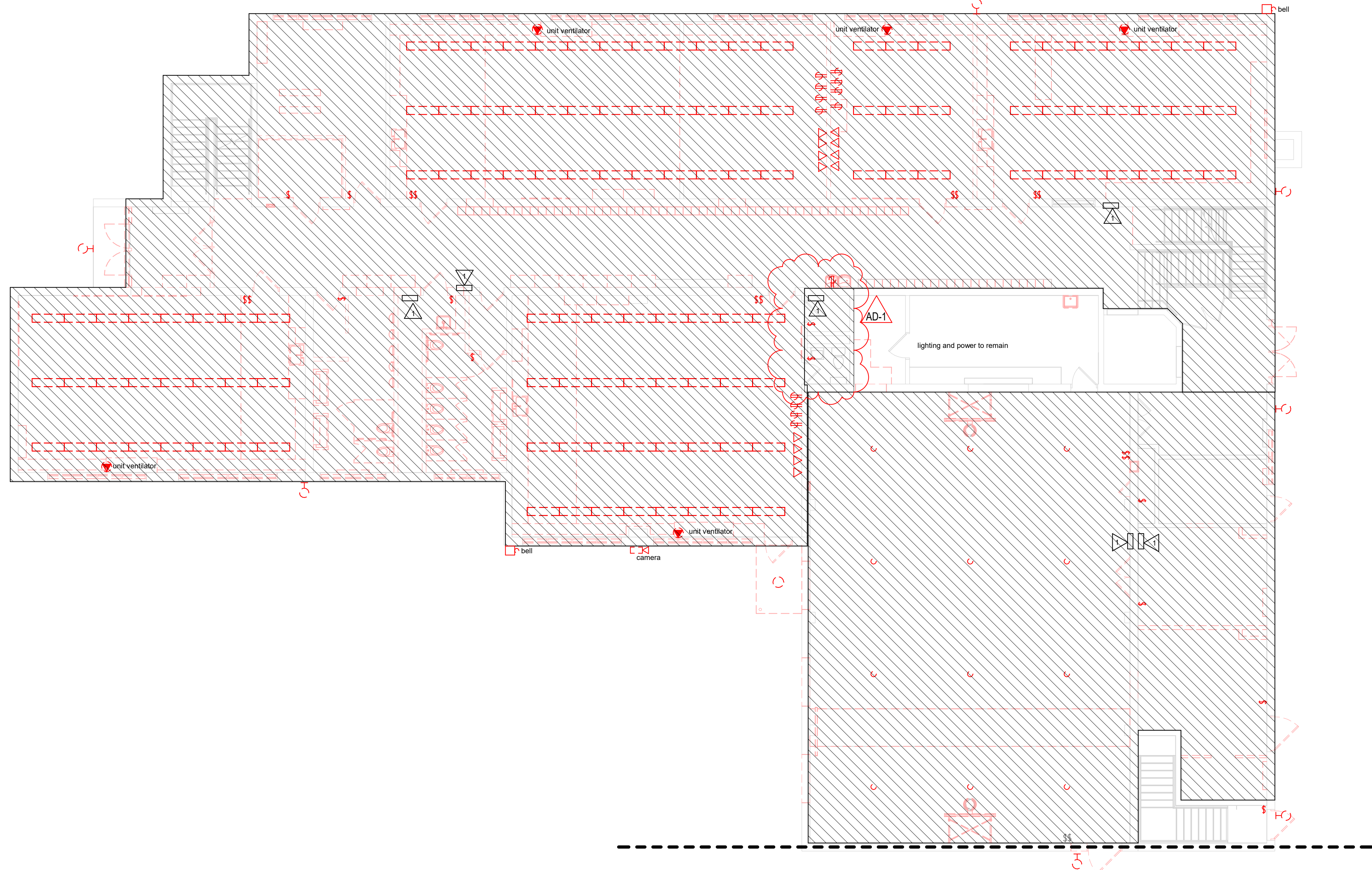
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No.	Description	Date
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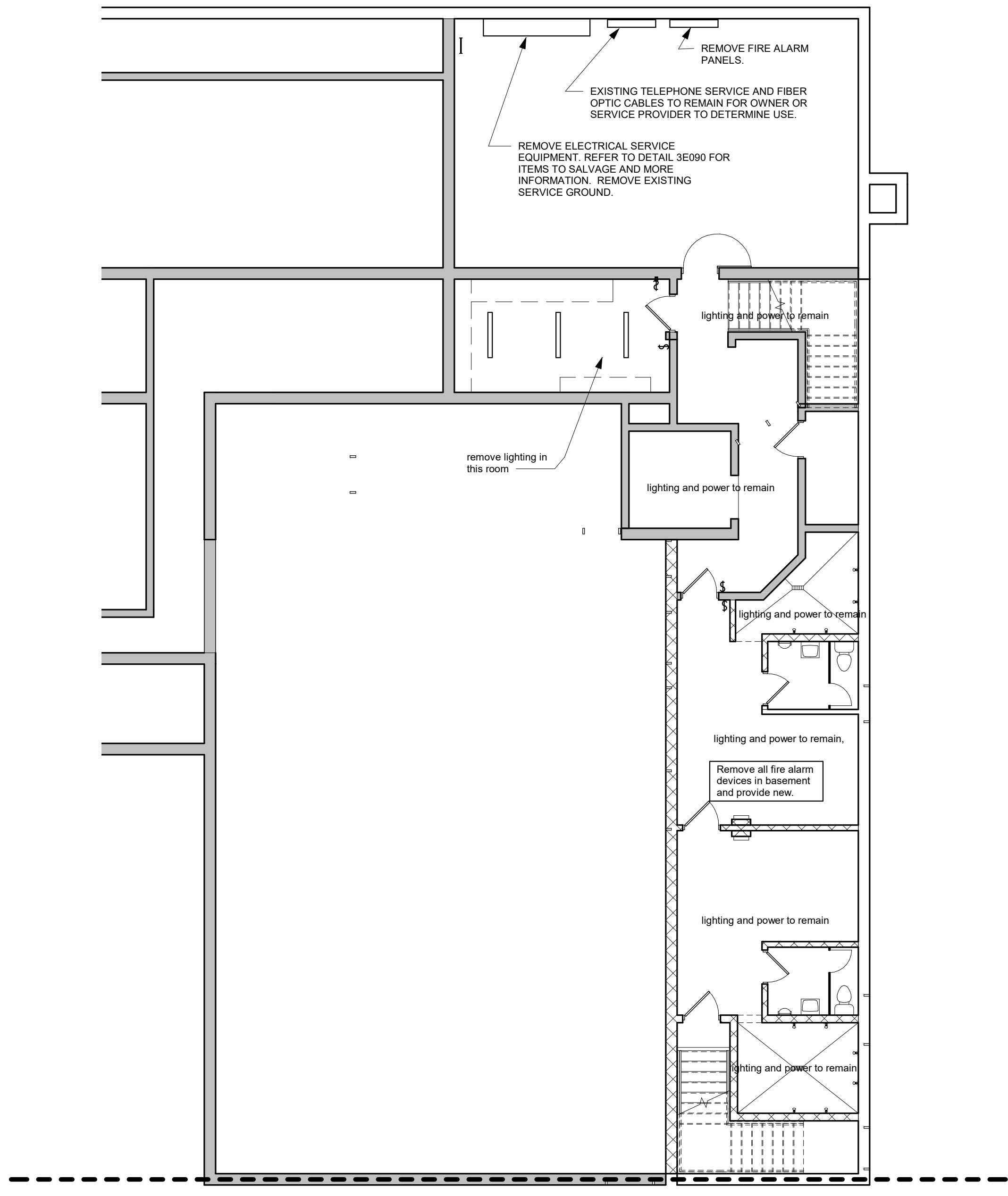
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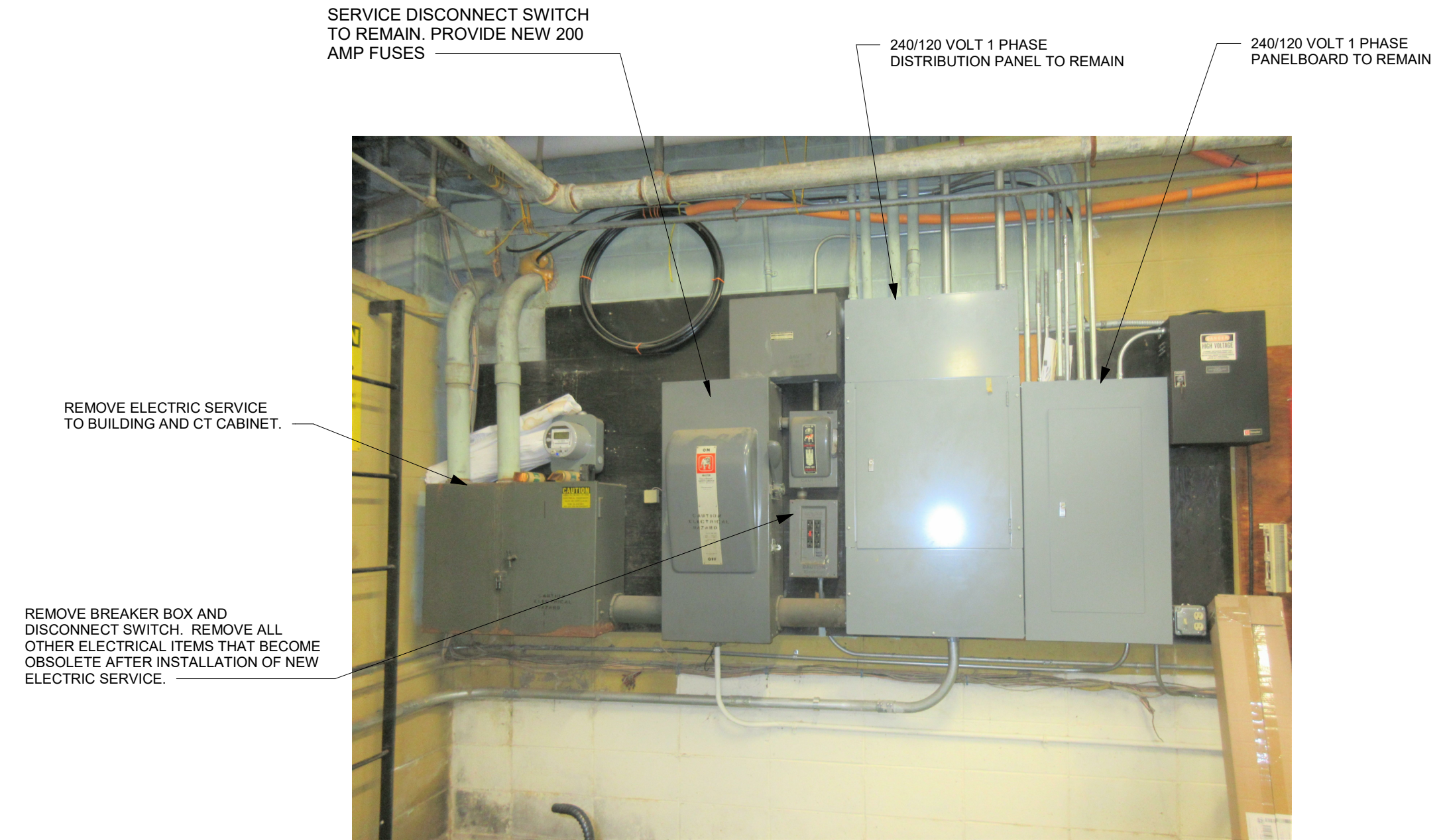


1 FIRST FLOOR REMOVAL PLAN
1/8" = 1'-0"



2 BASEMENT REMOVAL PLAN
1/8" = 1'-0"

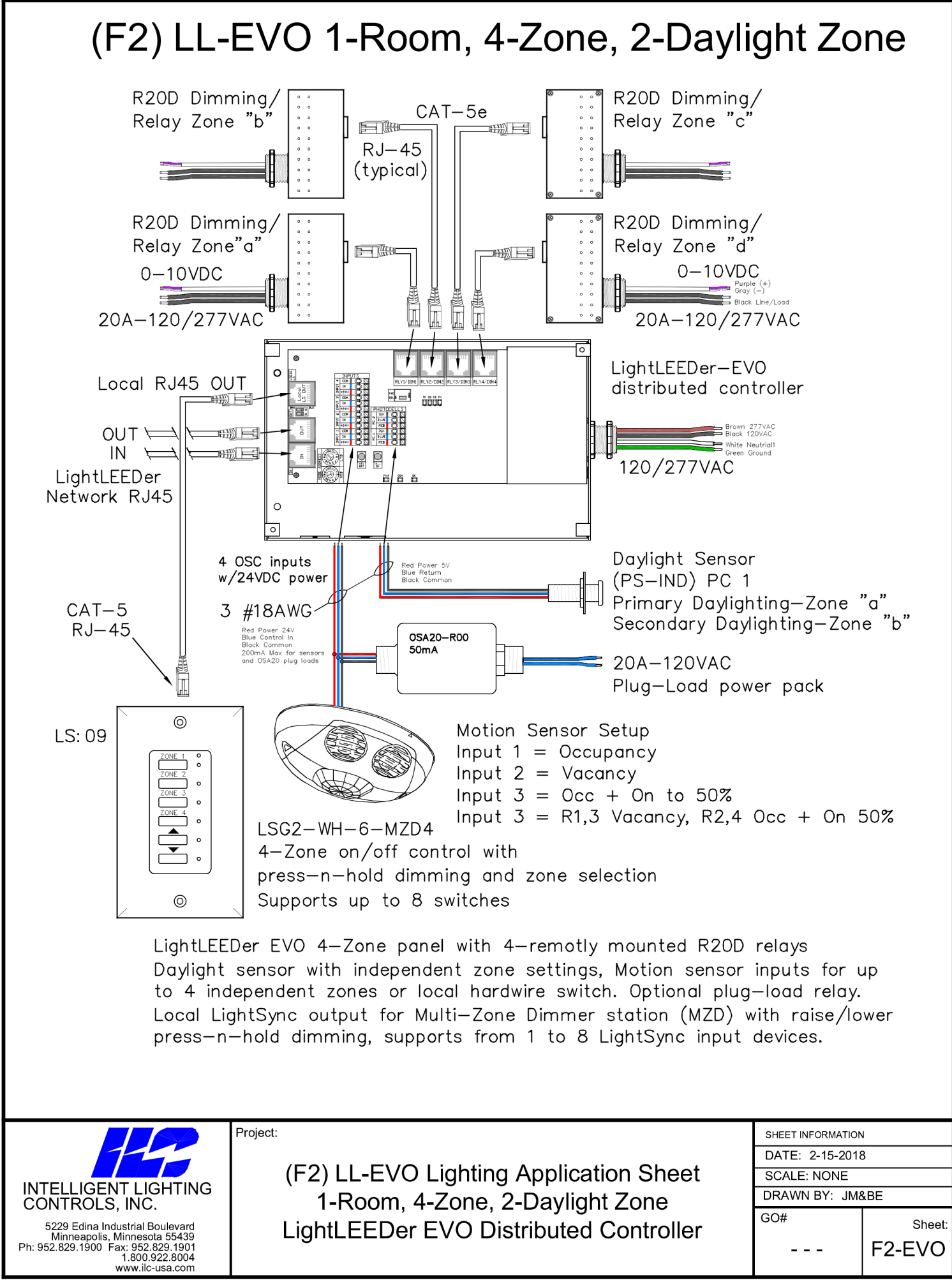
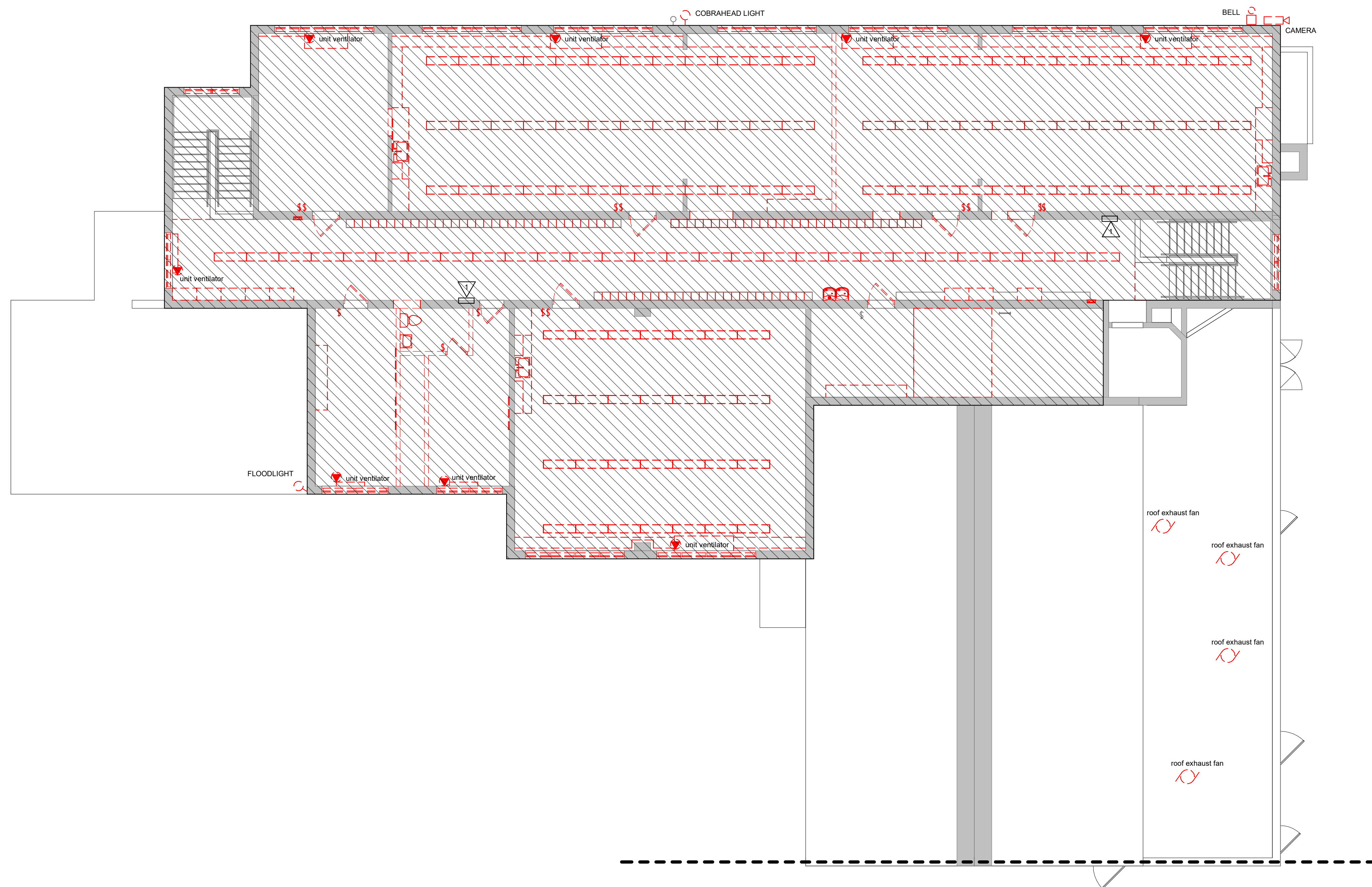
GENERAL NOTES : REMOVAL	
A	REMOVE ALL ELECTRICAL DEVICES AND ABANDON WIRING/CONDUIT BACK TO ELECTRICAL PANEL, CABINET, RACK OR TERMINATION BOARD.
B	ELECTRICAL CONTRACTOR TO FIELD VERIFY WALLS AND CEILINGS AND INCLUDE ALL DEVICES FOR REMOVAL.
C	REMOVE DATA WALL CABINETS, DATA RACKS, AND PATCH PANELS.
D	SALVAGE SECURITY SYSTEM AND CAMERAS TO THE OWNER.
E	SALVAGE DOOR ACCESS SYSTEM AND CARD READERS TO THE OWNER.
F	PROVIDE COVERPLATES AT ALL OPEN DEVICE AND JUNCTION BOXES.
G	SALVAGE CLOCKS TO OWNER.
H	DASHED LINES SPECIFIC ITEMS FOR REMOVAL. REMOVE ALL ELECTRICAL ITEMS IN HATCHED AREAS. SOME LIGHTING AND RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. INCLUDE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL DEVICES NOT SHOWN.
I	REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT TO BE DISCONNECTED FOR REMOVAL.
J	ASBESTOS ABATEMENT CONTRACTOR TO REMOVE LIGHT FIXTURES ON CEILING WITH ACOUSTICAL TEXTURED SPRAY. ELECTRICAL TO DISCONNECT POWER TO LIGHTS. ELECTRICAL TO REMOVE LIGHT FIXTURES IN OTHER AREAS WITHOUT ACOUSTICAL TEXTURED SPRAY.
KEY NOTES :	
1	REMOVE PANELBOARD AND CONDUIT/CONDUCTORS BACK TO SOURCE.



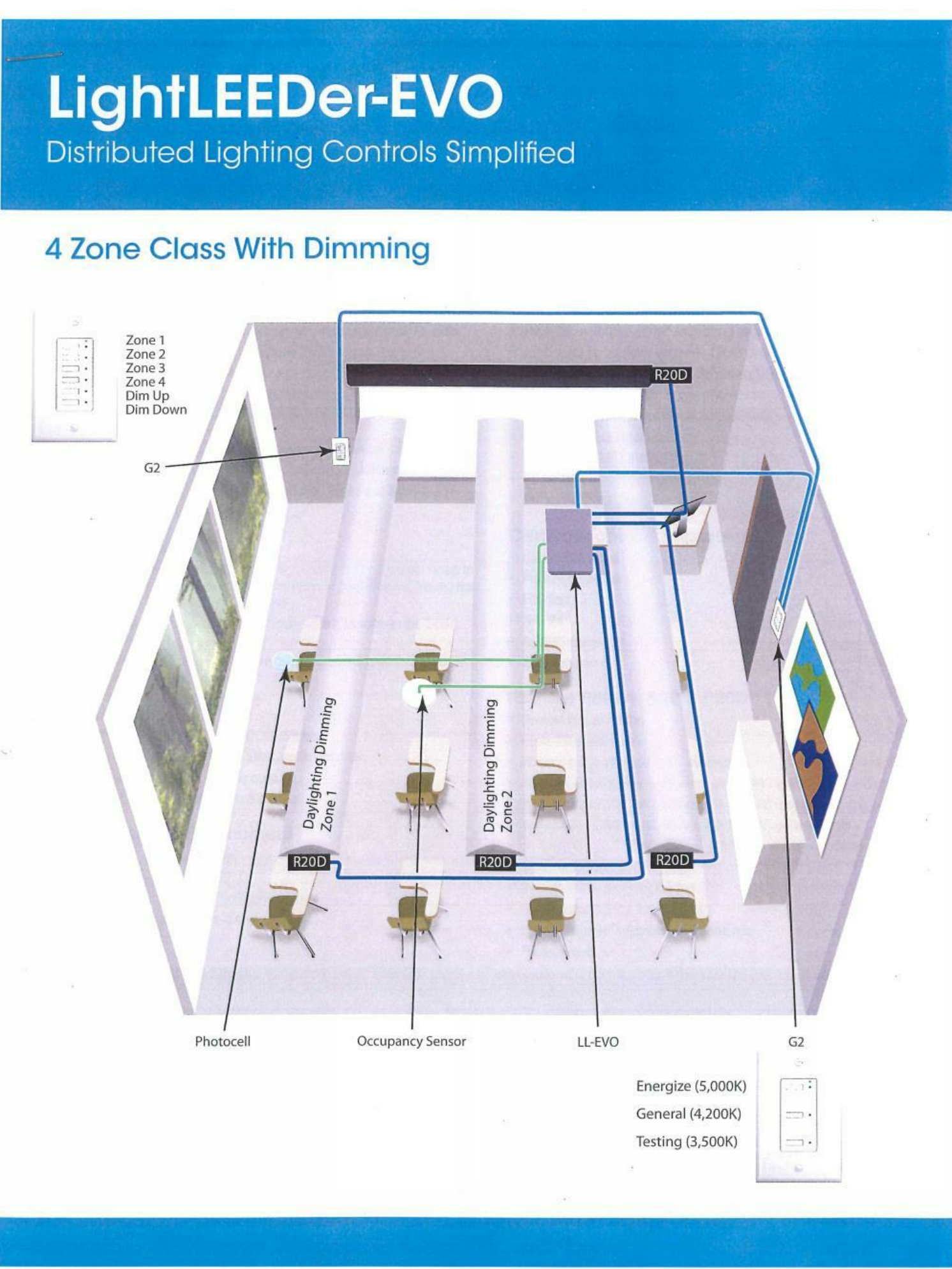
3 EXISTING ELECTRIC SERVICE
NTS

ELECTRICAL SYMBOLS			
○	LIGHTING FIXTURE - WALL BRACKET *	⊞	DISCONNECT SWITCH
○	LIGHTING FIXTURE DOWNLIGHT - SURFACE TYPE *	⊞	MOTOR STARTER
○	LIGHTING FIXTURE DOWNLIGHT - RECESSED *	⊞	MOTOR CONNECTION
○	LIGHTING FIXTURE(S) - EMERGENCY CIRCUIT	⊞	EQUIPMENT CONNECTION
□	LIGHTING FIXTURE (2x2) - SURFACE TYPE *	⊞	PANELBOARD, TERMINAL CABINET
□	LIGHTING FIXTURE (2x2) - RECESSED *	2	TELEPHONE **
□	LIGHTING FIXTURE (2x2) - EMERGENCY CIRCUIT	2	(VOICE) COMBINATION VOICE/DATA OUTLET **
□	LIGHTING FIXTURE (2x4) - SURFACE TYPE *	2	(DATA) COMPUTER DATA OUTLET **
□	LIGHTING FIXTURE (2x4) - RECESSED *	4	COMPUTER DATA OUTLET **
□	LIGHTING FIXTURE (2x4) - EMERGENCY CIRCUIT	F	FIRE ALARM MANUAL STATION
□	LIGHTING FIXTURE - OPEN STRIP *	F	FIRE ALARM HORN/STROBE
□	EXIT SIGN	S	FIRE ALARM STROBE UNIT ONLY
RC	ROOM CONTROLLER - LIGHTING	S	SMOKE DETECTOR
R20D	DIMMABLE LIGHTING CONTROL RELAY	J	JUNCTION BOX OR PULL BOX
OS	OCCUPANCY SENSOR *	T	TELEVISION OUTLET
VS	VACANCY SENSOR *	C	CLOCK
DL	DAYLIGHT CONTROL	S	SPEAKER *
+	SWITCH - SINGLE POLE	V	VOLUME CONTROL
	3 - 3-WAY SWITCH	⊞	CALL-IN SWITCH
	4 - 4-WAY SWITCH	⊞	GROUND CONNECTION
	OC - WALL SWITCH OCCUPANCY SENSOR*	⊞	LEG TO PANEL
	VS - WALL SWITCH VACANCY SENSOR*	⊞	NOTE NUMBER (REMOVAL)
	D - DIMMER*	⊞	NOTE NUMBER (MODEL)
⊞	STANDARD SINGLE RECEPTACLE *	EX	EXISTING DEVICE.
⊞	STANDARD DUPLEX RECEPTACLE *		
	GFI GROUND FAULT INTERRUPTING		
	WR WEATHERPROOF COVER		
	WR WEATHER RESISTANT		
⊞	DOUBLE DUPLEX RECEPTACLE *		

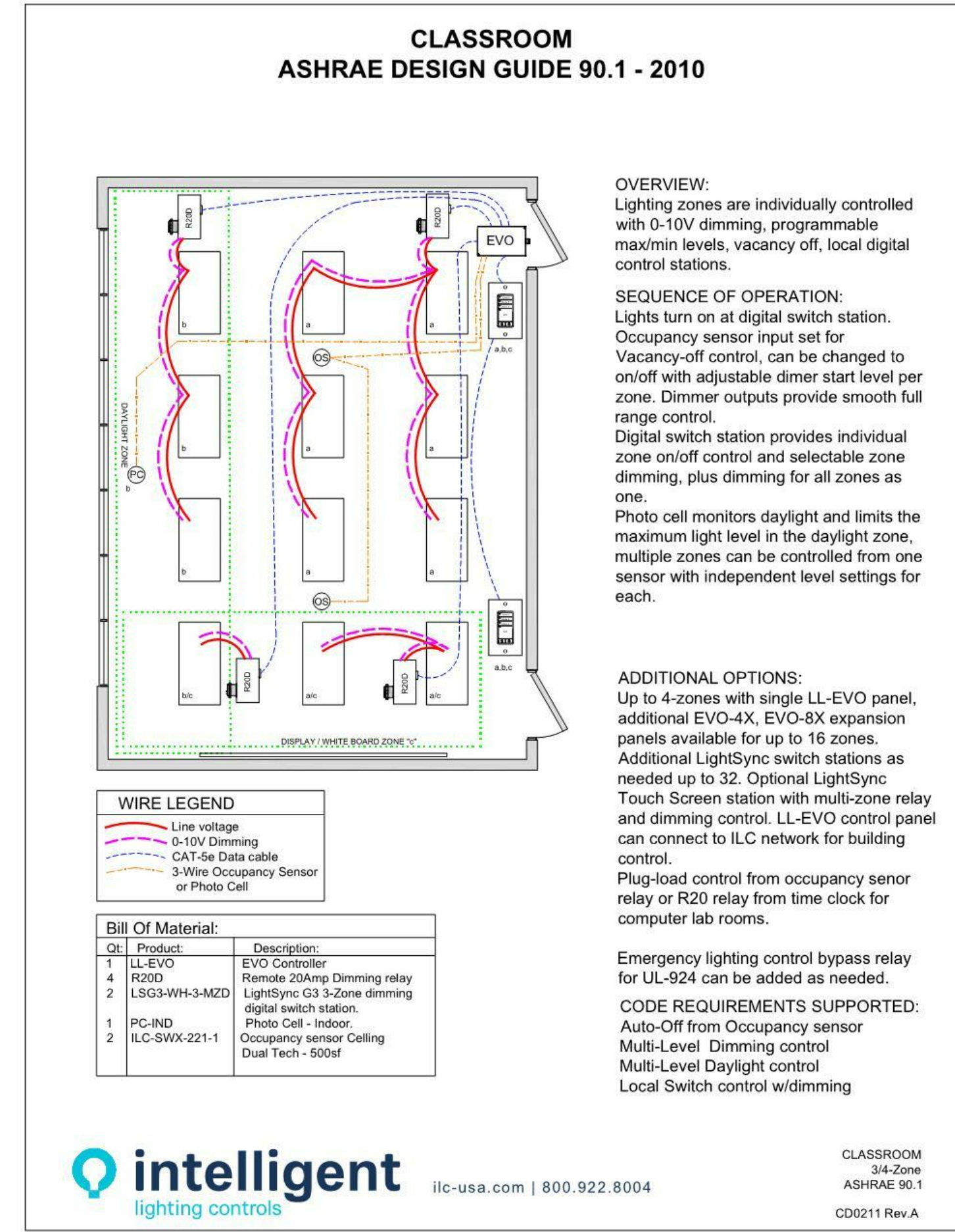
* TYPE AS INDICATED WITH LETTERNUMBER. REFER TO SPECIFICATIONS OR SCHEDULES.
** QUANTITIES OF CABLE DROPS AS INDICATED WITH NUMBER. REFER TO DRAWINGS. HEIGHTS AND LOCATIONS AS INDICATED ON DRAWINGS.
*** NUMBER REFERS TO LOW VOLTAGE LIGHTING RELAY.



2 ROOM CONTROLLER 4 ZONE
NTS



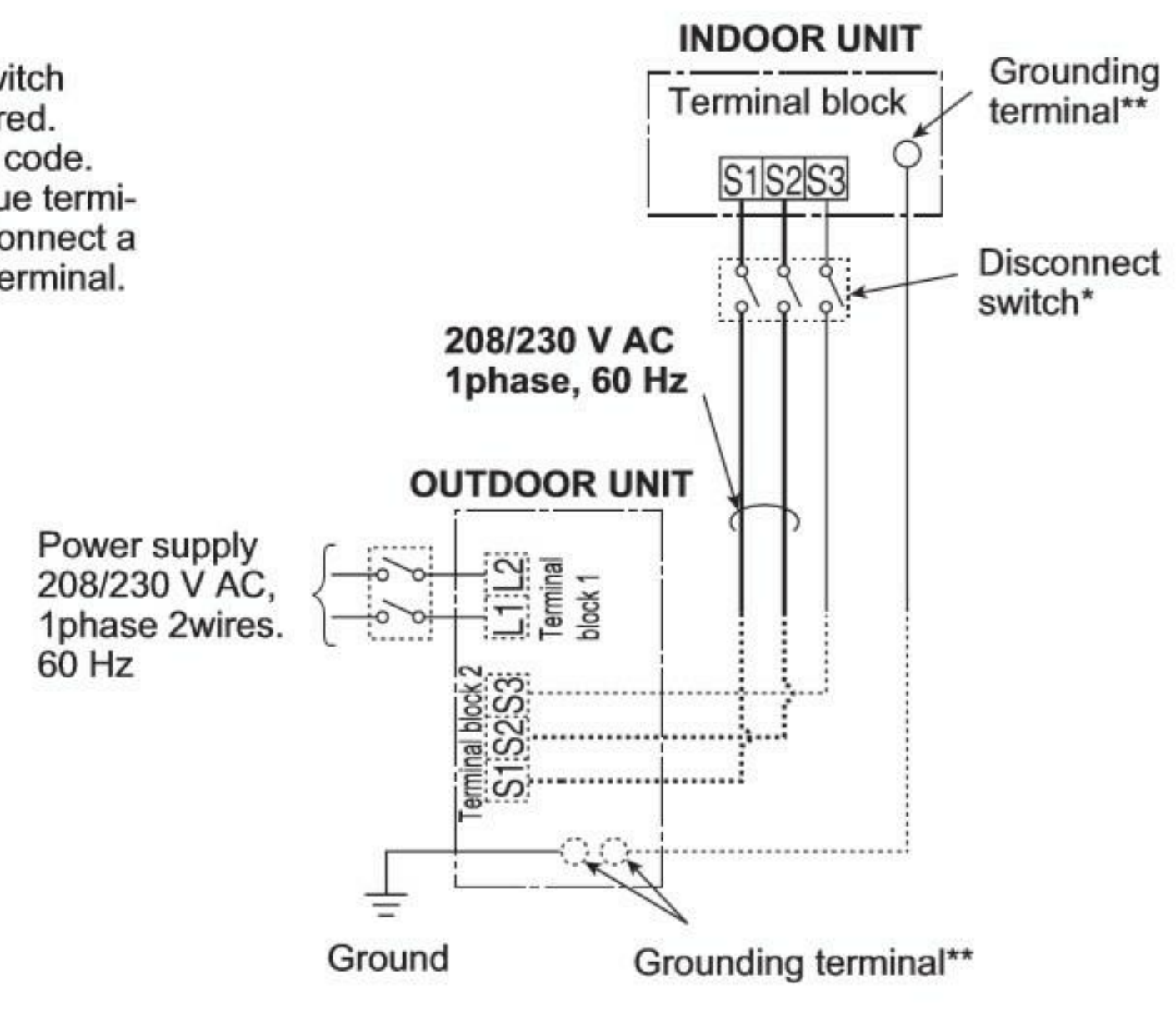
3 ROOM CONTROLLER ROOM LAYOUT
NTS



4 ROOM CONTROLLER WIRING DIAGRAM
NTS

1 SECOND FLOOR REMOVAL
1/8" = 1'-0"

Remark:
* A disconnect switch should be required. Check the local code.
** Use a ring tongue terminal in order to connect a ground wire to terminal.



5 MINI-SPLIT WIRING DIAGRAM
NTS

GENERAL NOTES : REMOVAL

- REMOVE ALL ELECTRICAL DEVICES AND ABANDON WIRING/CONDUIT BACK TO ELECTRICAL PANEL, CABINET, RACK OR TERMINATION BOARD.
- ELECTRICAL CONTRACTOR TO FIELD VERIFY WALLS AND CEILINGS AND INCLUDE ALL DEVICES FOR REMOVAL.
- REMOVE DATA WALL CABINETS, DATA RACKS, AND PATCH PANELS.
- SALVAGE SECURITY SYSTEM AND CAMERAS TO THE OWNER.
- SALVAGE DOOR ACCESS SYSTEM AND CARD READERS TO THE OWNER.
- PROVIDE COVERPLATES AT ALL OPEN DEVICE AND JUNCTION BOXES.
- SALVAGE CLOCKS TO OWNER.
- DASHED LINES SPECIFIC ITEMS FOR REMOVAL.
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT TO BE DISCONNECTED FOR REMOVAL.
- ASBESTOS ABATEMENT CONTRACTOR TO REMOVE LIGHT FIXTURES ON CEILING WITH ACOUSTICAL TEXTURED SPRAY. ELECTRICAL TO DISCONNECT POWER TO LIGHTS. ELECTRICAL TO REMOVE LIGHT FIXTURES IN OTHER AREAS WITHOUT ACOUSTICAL TEXTURED SPRAY.
- REMOVE PANELBOARD AND CONDUIT/CONDUCTORS BACK TO SOURCE.

KEY NOTES :



Consultant:

Project Title: **SPARTA POLICE STATION
LAKEVIEW**
Project Location: **711 PINE STREET
SPARTA, WI 54656**
Sheet Title: **FIRST FLOOR LIGHTING**

HSR Project Number: **19042**
Project Date: **AUGUST 2020**
Drawn By: **SMG**
Key Plan:

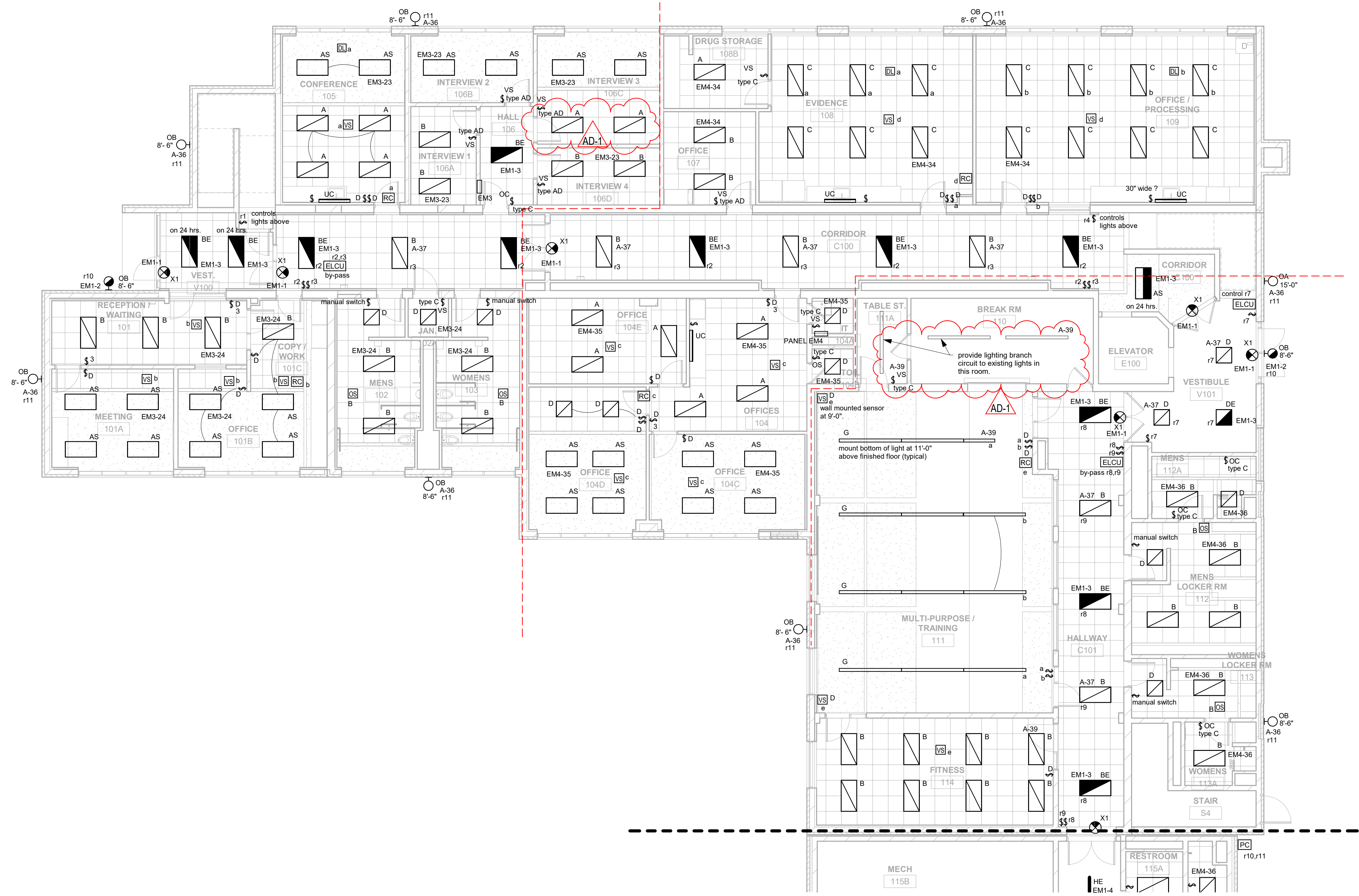
**BID
DOCUMENTS**

No.	Description	Date
AD-1	AD-1	9/1/20

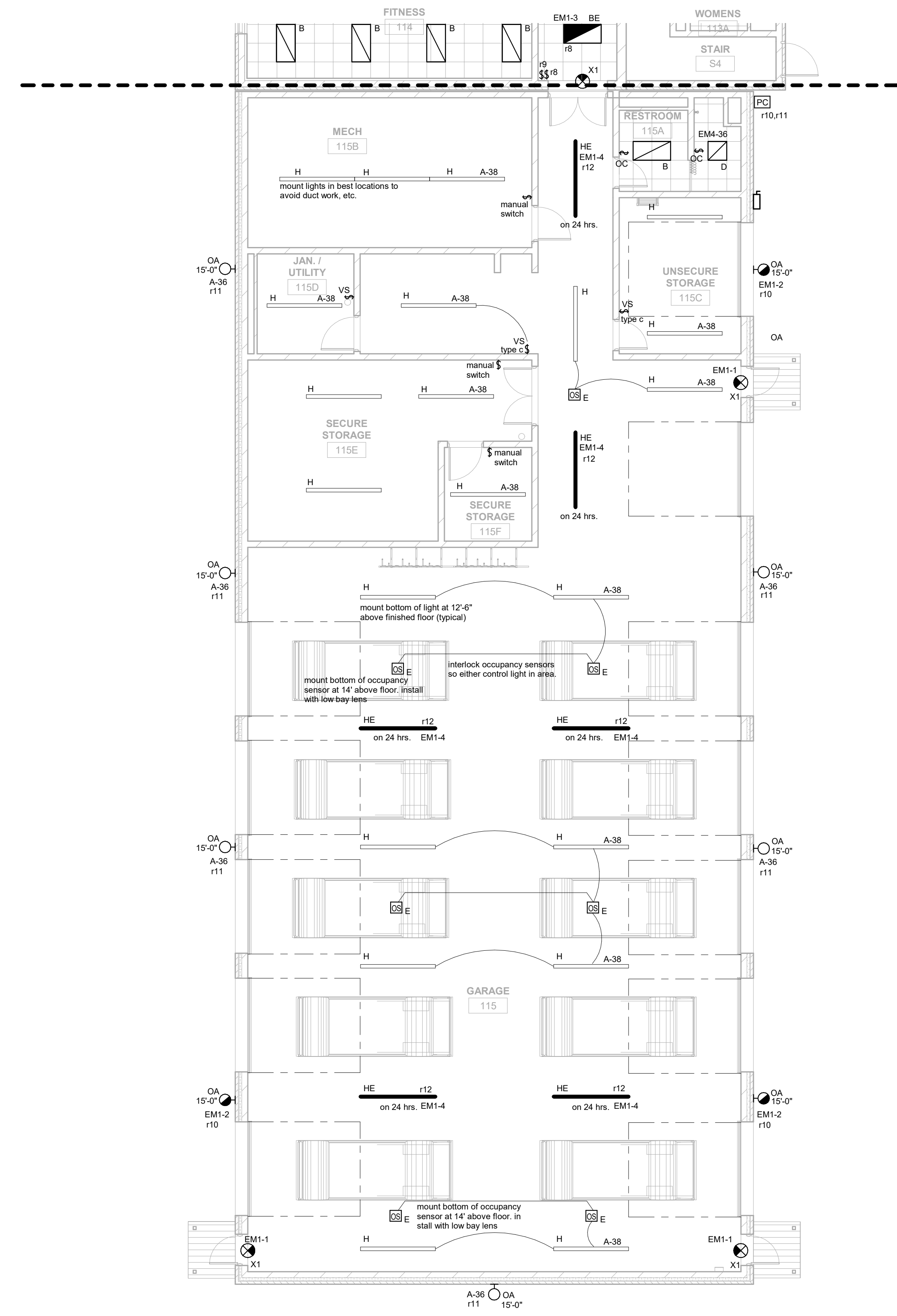
Graphic Scale: **VARIES**

Last Update: **9/1/2020 11:25:43 AM**

E101



1 FIRST FLOOR LIGHTING - SEG A
1/8" = 1'-0"



2 FIRST FLOOR LIGHTING - SEG B
1/8" = 1'-0"

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLT	MOUNTING **				WATTS	COLOR TEMP.	REMARKS
					F	S	P	O			
A	DAYBRITE	2FZP38L840-4-DS-UNV-DIM	2'X4' LED FLAT PANEL 3800 LU	UNV.	-				29	4000K	1
AS	DAYBRITE	2FZP38L840-4-DS-UNV-DIMFSK24	LED FLAT PANEL 3800 LUSURFACE	UNV.	-				29	4000K	1.4
B	DAYBRITE	2FZP30L840-4-DS-UNV-DIM	2'X4' LED FLAT PANEL 3000 LU	UNV.	-				23	4000K	1
BE	DAYBRITE	2FZP30L840-4-DS-UNV-DIM	2'X4' LED FLAT PANEL 3000 LU	UNV.	-				23	4000K	1.3
C	DAYBRITE	2FZP54L840-4-DS-UNV-DIM	2'X4' LED FLAT PANEL 5400 LU	UNV.	-				42	4000K	1
D	DAYBRITE	2FZP20L840-2-DS-UNV-DIM	2'X2' LED FLAT PANEL 2000 LU	UNV.	-				16	4000K	2
DE	DAYBRITE	2FZP20L840-2-DS-UNV-DIM	2'X2' LED FLAT PANEL 2000 LU	UNV.	-				16	4000K	2.3
F	LEDALITE	7406LAE0GX7W	LINEAR DIRECT/INDIRECT LIGHT	UNV.	-				28.5	4000K	5
G	LEDALITE	7406LAC0DXX7W	LINEAR DIRECT/INDIRECT LIGHT	UNV.	-				39.24 ft.	4000K	6
H	DAYBRITE	SFL8110L840-PP2-UNV-DIM	8' INDUSTRIAL LED	UNV.	-				69	4000K	7
HE	DAYBRITE	SFL8110L840-PP2-UNV-DIM	8' INDUSTRIAL LED	UNV.	-				69	4000K	7.3
J	DAYBRITE	FSX440L840-UNV	4' SEALED STRIP LED	UNV.	-				32	4000K	
OA	GARDCO	121-32L-530-NW-G4-3-UNV-BZ	LED WALL SCONCE	UNV.	-				52	4000K	8
OB	GARDCO	114L-1BL-359-NW-G3-3-UNV-BZ	LED MINI-WALL SCONCE	UNV.	-				18	4000K	8
UC	NUVO LIGHTING	NUVO 63-203	UNDERCOUNTER LIGHT	UNV.	-				7	3500K/4000	
X1	CHEORIDE	CLXARW	EXIT LIGHT	UNV.	-				4	N/A	9

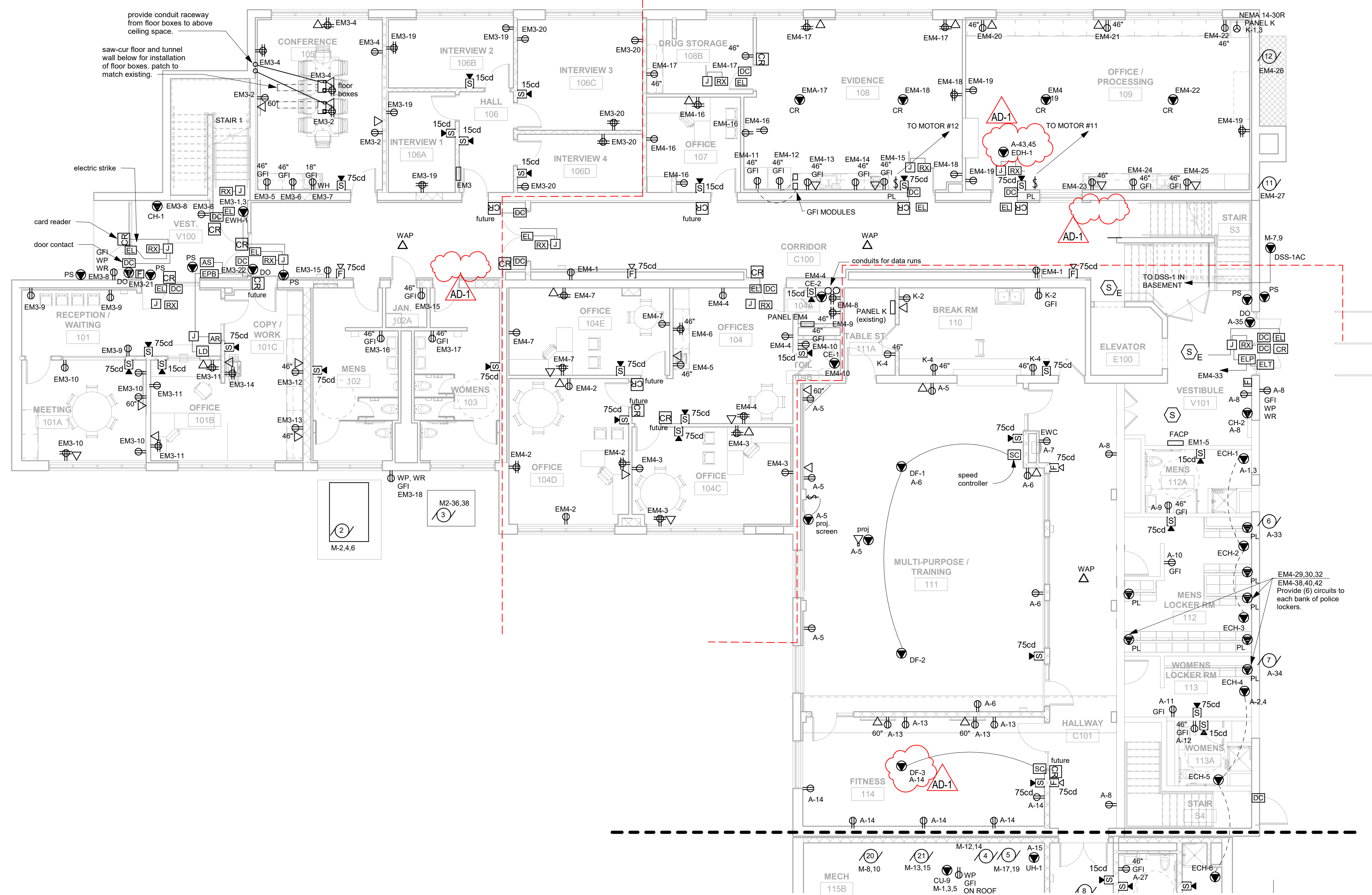
* SEE REMARKS
** (F) FLUSH MOUNT; (S) SURFACE MOUNT; (P) PENDANT HUNG; (O) OTHER-SEE REMARKS IN REGARDS TO FIXTURE MOUNTING.

REMARKS:
1. 2' X 4' LED FLAT PANEL
2. 2' X 2' LED FLAT PANEL
3. LIGHT FIXTURE CONNECTED TO EMERGENCY CIRCUIT.
4. PROVIDE SURFACE MOUNTING KIT.
5. LINEAR SUSPENDED LIGHT FIXTURE, 80% DOWNLIGHT, PROVIDE CABLES TO HANG FIXTURE, WHITE FIXTURE FINISH.
6. LINEAR SUSPENDED LIGHT FIXTURE, 55% DOWNLIGHT, PROVIDE CABLES TO HANG FIXTURE, WHITE FIXTURE FINISH.
7. LED INDUSTRIAL FIXTURE, SUPPORT WITH CABLES.
8. WALL MOUNT LED FIXTURE, FULL CUT OFF LIGHTING, DIE CAST ALUMINUM HOUSING WITH BRONZE FINISH.
9. LED EXIT LIGHT, RED LETTERS WITH WHITE HOUSING.

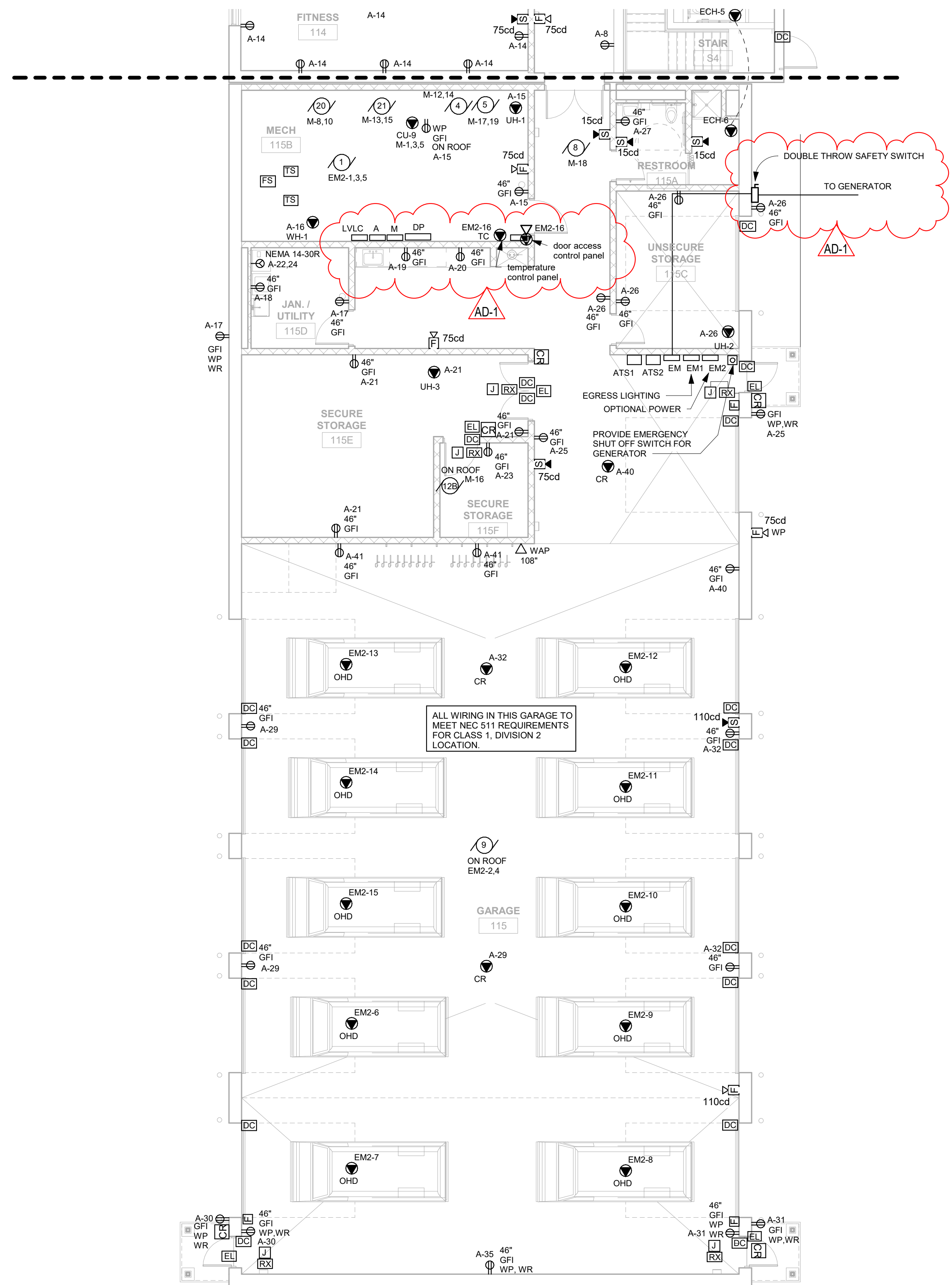
EQUAL FIXTURES:
a. FIXTURES EQUAL IN ALL RESPECTS TO THE SPECIFIED FIXTURES MANUFACTURED BY: PHILIPS, COOPER LIGHTING, LITHONIA, COLUMBIA, HUBBELL, & DAYBRITE SHALL BE CONSIDERED AS EQUAL.

GENERAL NOTES : REMODEL

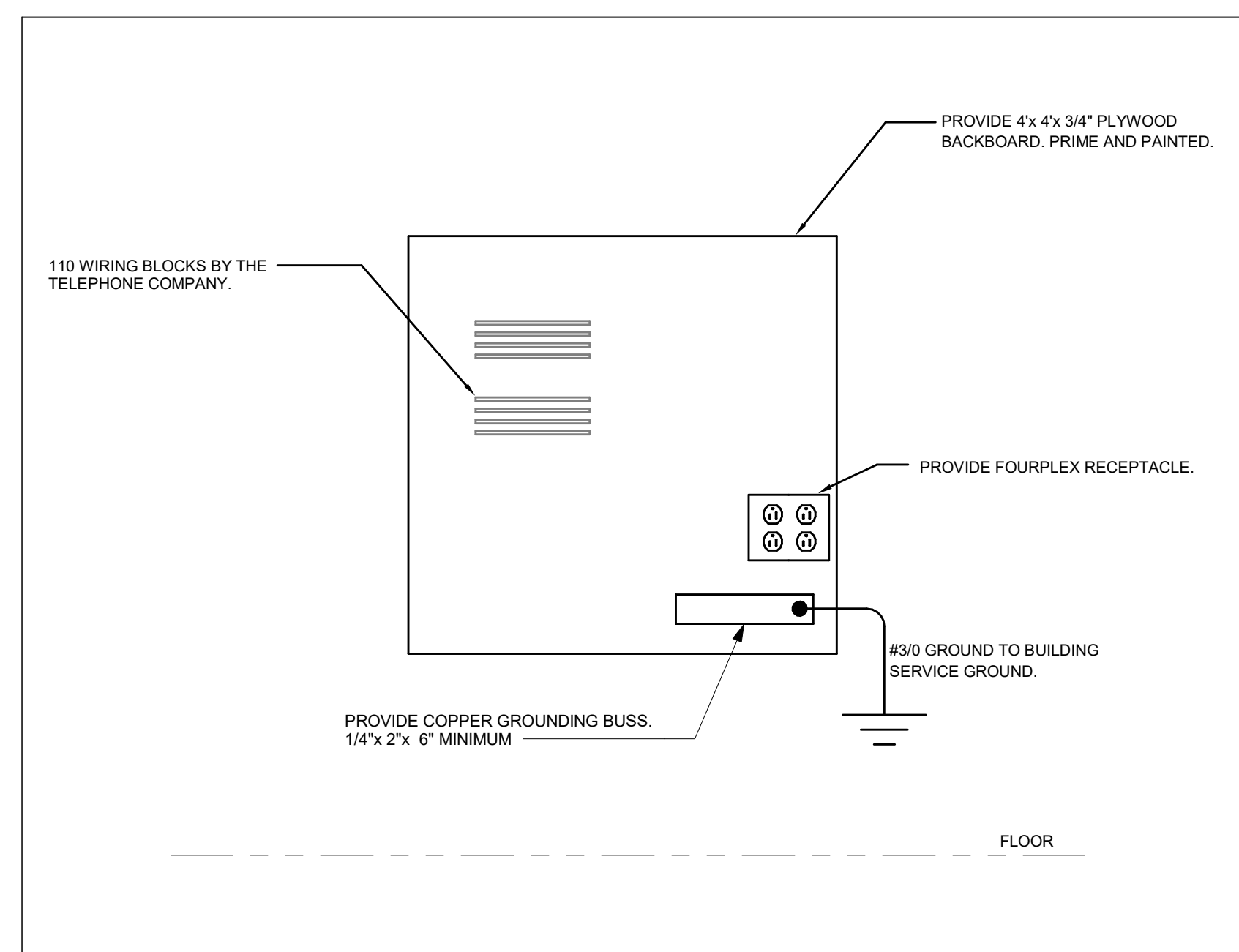
- A ALL ELECTRICAL DEVICES SHOWN TO BE NEW UNLESS INDICATED OTHERWISE.
- B MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES. EXTEND WIRING/CONDUIT AS REQUIRED.
- C PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS
- D PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT.
- E PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATIONS SECTION 07840 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.



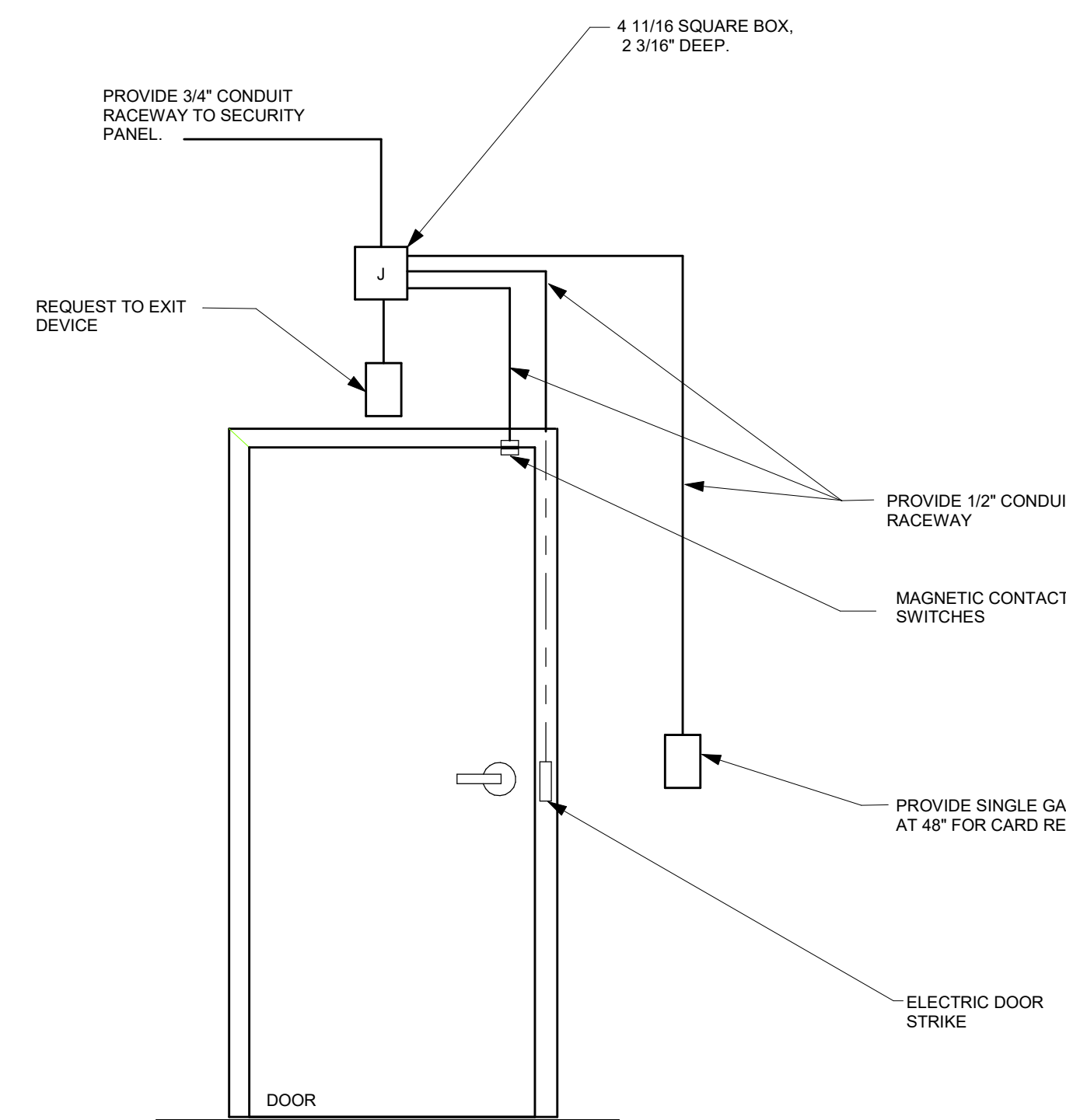
1 FIRST FLOOR POWER PLAN- SEG A
1/8" = 1'-0"



2 FIRST FLOOR POWER PLAN - SEG B
1/8" = 1'-0"

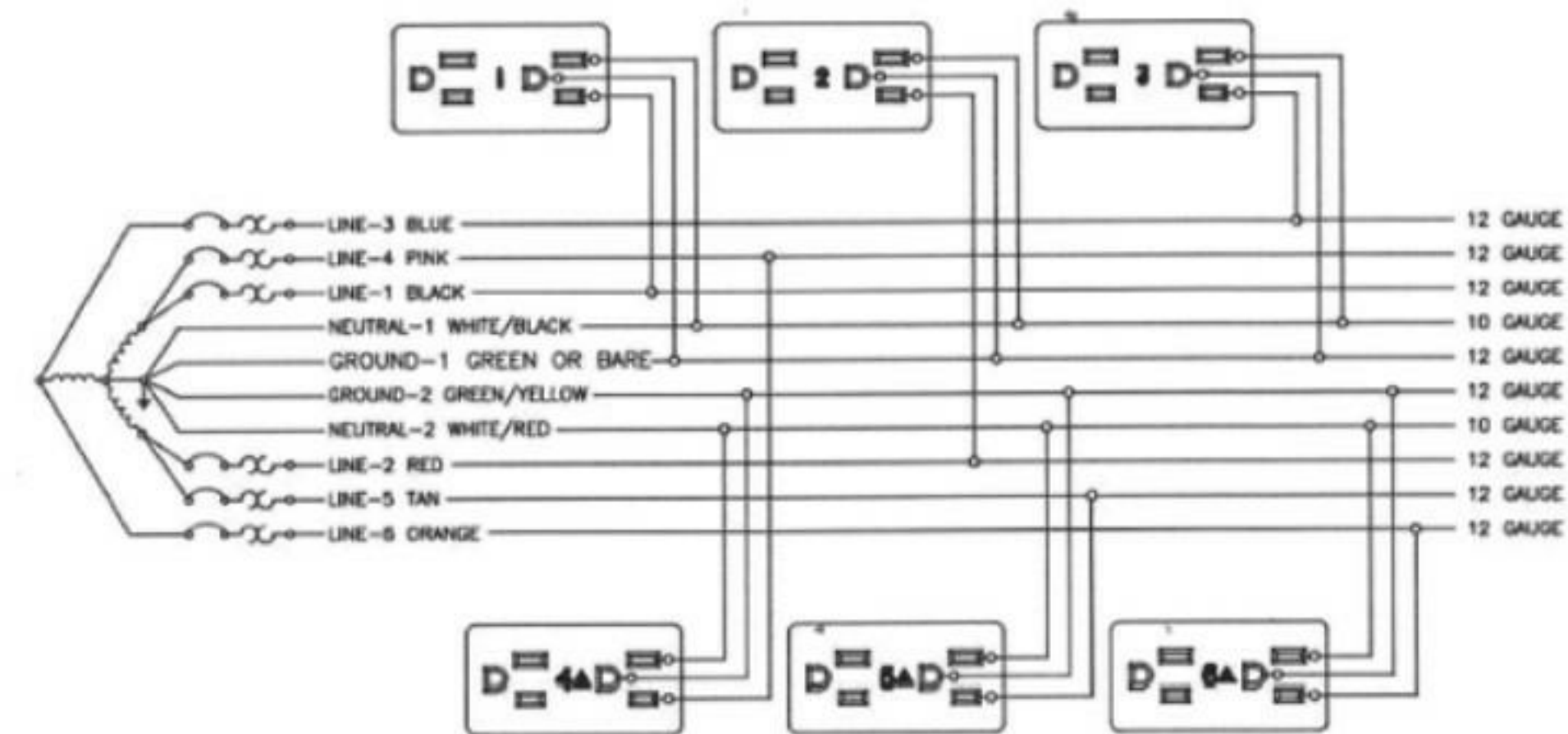


3 Details Raceways telephone service
NTS



4 Door Access Raceways
NTS

WIRING SCHEMATIC, 10- WIRE SHARED NEUTRAL, "3+3"-3 UTILITY CIRCUITS, 3 DEDICATED



5 POLICE LOCKER WIRING DIAGRAM
NTS

GENERAL NOTES : REMODEL

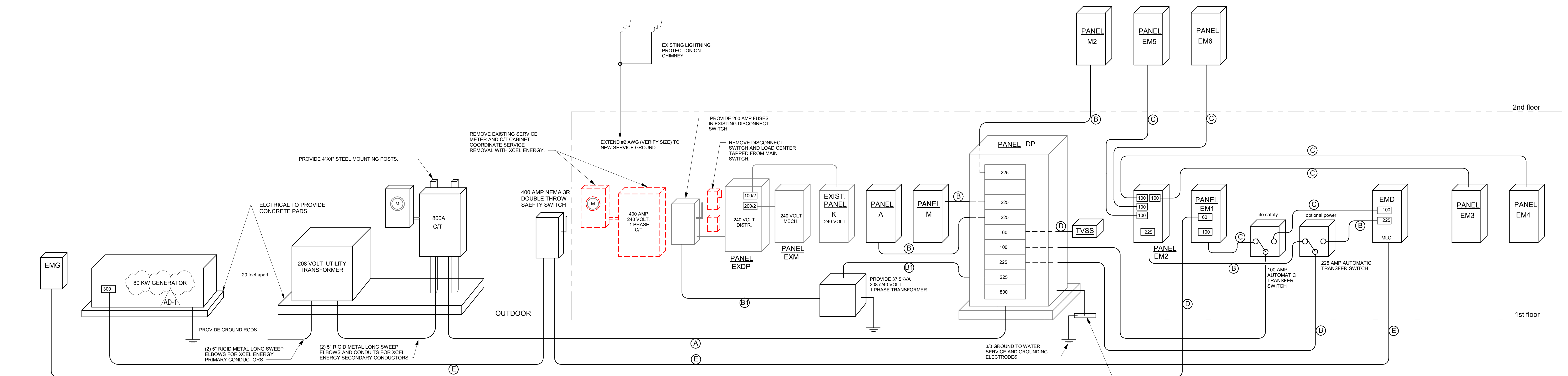
A	ALL ELECTRICAL DEVICES SHOWN TO BE NEW UNLESS INDICATED OTHERWISE.
B	MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES. EXTEND WIRING/CONDUIT AS REQUIRED.
C	PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS
D	PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT.
E	PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATIONS SECTION 07840 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.

Revisions:

No.	Description	Date
AD-1	AD-1	9/1/20
AD-2	Addendum no. 2	4/11/19



Consultant:



ELECTRICAL SERVICE
120/208 VOLTS, 4-WIRE, THREE PHASE

1 **ELECTRIC RISER DIAGRAM**
NTS

PANELBOARD SCHEDULE															
PANEL NAME	ROOM NO.	MFGR TYPE	MOUNT'G			ELECTRICAL SERVICE	MAINS			BRANCHES				REMARK NUMBER	
			FLUSH SURFACE	WIDTH	DEPTH		AMP.	LUGS	BREAKER SWITCH	FEED THRU LUGS	NO.	AMP.	POLE		CIRCUIT NUMBERS
DP	MECHANICAL 115B	SQ D H-LINE	X	32"	8.5'	208Y120 VOLT 3 PH, 4 WIRE	800	X	X	1	800	3	MAIN CIRCUIT BREAKER	42 SPACE	
										1	225	3	PANEL M		
										1	225	3	PANEL M2		
										1	225	3	PANEL A		
										1	225	2	EXISTING 240 VOLT, 1 PH SERVICE		
										1	225	3	PANEL EM2		
										1	100	3	PANEL EM1		
										1	60	3	TVSS		
M	MECHANICAL 115B	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	225	X		1	50	3	M-1,3,5 (CU-9)	42 SPACE	
										1	40	3	M-2,4,6 (MTR. #2)		
										2	30	2	M-8,10 (MTR. #20) M-7,9 (DSS-IAC)		
										3	20	2	M-13,15 (MTR. #21) M-12,14 (MTR. #4) M-17,19 (MTR. #5)		
										2	20	1	M-16, M-18 (MTR. #12B & #8)		
										4	20	1	SPARES		
															42 SPACE
															42 SPACE
M2	MECHANICAL 203	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	225	X		1	50	2	M2-7,9 (CU-7)	54 SPACE	
										1	20	3	M2-2,4,6 (MTR. #18)		
										5	30	2	M2-8,10 M2-11,13 M2-12,14 M2-15,17 M2-16,18 (CU-1,2,5,6 & 8)		
										10	20	2	M2-20, 22 M2-23,25 M2-24,26 M2-27,29 M2-28,30 M2-31,33 M2-32,34 M2-35,37 M2-36,38 M2-19,21 (CU-3,4 & MOTORS)		
										4	20	1	M2-39,40,41,42		
										1	15	3	M2-43,45,47		
										4	20	1	SPARES		
															54 SPACE
															54 SPACE
															54 SPACE
EMD	GARAGE 115	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	400	X		1	225	3	FEED TO ATS AND PANEL EM2	18 SPACE	
										1	100	3	FEED TO ATS AND PANEL EM1		
EM1	GARAGE 115	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	100	X		1	100	3	MAIN CIRCUIT BREAKER	42 SPACE	
										6	20	1	EM1-1,2,3,4,5,6		
										1	60	3	PANEL EMG (GENERATOR)		
										4	20	1	SPARES		
EM2	GARAGE 115	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	225	X		1	225	3	MAIN CIRCUIT BREAKER	42 SPACE	
										4	100	3	PANELS EM3, EM4, EM5 & EM6		
										1	35	3	EM2-1,3,5		
										1	20	2	EM2-2,4		
										15	20	1	EM2-6,7,8,9,10,11,12,13,14,15,16		
										4	20	1	SPARES		
										4	20	1	SPARES		
EM3	HALL 106	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	100	X		1	20	2	EM3-1,3	42 SPACE	
										22	20	1	EM3-2, 4-24		
										4	20	1	SPARES		
										4	20	1	SPARES		

PANELBOARD SCHEDULE														
PANEL NAME	ROOM NO.	MFGR TYPE	MOUNT'G			ELECTRICAL SERVICE	MAINS			BRANCHES				REMARK NUMBER
			FLUSH SURFACE	WIDTH	DEPTH		AMP.	LUGS	BREAKER SWITCH	FEED THRU LUGS	NO.	AMP.	POLE	
EM4	IT 104A	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	100	X		37	20	1	EM4-1, 2-37,39	54 SPACE
										2	20	3	EM4-28,30,32 EM4-38,40,42	
										4	20	1	SPARES	
EM5	STOR. 205B	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	100	X		11	20	1	EM5-1, 2-11	42 SPACE
										4	20	1	SPARES	
EM6	MECH 203	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	100	X		20	20	1	EM6-1, 2-20	42 SPACE
										4	20	1	SPARES	
EMG	EXERIOR	SQ D NO NEMA 3R	X	14.25"	3.75"	208Y120 VOLT 3 PH, 4 WIRE	100	X		1	60	3	MAIN BREAKER	12 SPACE
										4	20	1	EMG-1,2,3,4	
										2	20	1	SPARES	
A	MECH 203	SQ D NO	X	20"	6.5'	208Y120 VOLT 3 PH, 4 WIRE	225	X		1	30	2	A-1,3 (DRYER)	54 SPACE
										2	20	2	A-1,3, A-2,4 (ELECTRIC HEAT)	
										37	20	1	A-5, 6,41	
										4	20	1	SPARES	
K	TABLE STR. 111A	SQ D NO EXISTING	X			240/120 VOLT 1 PH, 3 WIRE				1	30	2	A-43,45, EDH-1	
										2	20	1	K-2,4	

FEEDER SCHEDULE				
MARK NO.	CONDUIT SIZE	CONDUCTOR SIZE	GROUND SIZE	REMARKS
(A)	4"	(4) #600 kcmil		2 PARALLEL RUNS
(B)	2 1/2"	(4) # 4/0	# 4	
(B1)	2 1/2"	(3) # 4/0	# 4	
(C)	1 1/4"	(4) #3	# 8	
(D)	3/4"	(4) #8	# 10	
(E)	3"	(4) #400 kcmil	# 3	

* SEE REMARKS

PANELBOARD SCHEDULE REMARKS:

HSR Project Number: **19042**
Project Date: **AUGUST 2020**
Drawn By: **SMG**

Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/1/20

Graphic Scale: **VARIES**
Last Update: **9/1/2020 11:25:45 AM**

E600